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# **Amazon**

Below are some recommendations from our Hiring Mangers on what they would like to see in the CV’s.

In general, they stated that they find students don’t sell themselves enough when writing up their CV and so hopefully these tips will help.

Not necessary to list all the below on your CV, but important you include it in their CV if it applies.

Interests and Contributions

1. Have you contributed to any projects (personal or as part of a team) that you can share? (Ex: github code, blogs, articles)

2. What Linux distributions have you worked with? Which is your favourite?

3. Do you like to solve programming, logic or mathematical challenges? (Ex: Hackerrank.com, ProjectEuler.net, TopCoder.com, etc)

4. What was the last programming/

5. science/SciFi book you read that was not a college course book?

6. Have you ever competed in a programming competition? (Ex: Google CodeJam, Microsoft Imagine Cup, RoboCode, RoboSumo, IEEE Extreme, IrlCPC, etc)

7. Are you a member of a computer science society at college?

8. Have you ever completed an extracurricular course on (Coursera.org, Udacity.com)?

9. Have you ever been a student or a teacher at CoderDojo.

About your course

1. Tell us about a course project/assignment have you completed that you really enjoyed.

2. Do you take part in any extra-curricular activities at your university? Which ones?

3. Have you ever taken a course/module about different programming languages? (Ex: Haskell, Prolog, Scheme, Python, Ruby, Javascript)

Amazon interview questions:

Session 1:

What is the idea of Objects in OOP?

What are the fundamentals of OOP?

Draw a class diagram of a Car Park System. The car park has spaces of 3 sizes (small, med and large). A car can be small, med and large. A car can check in and out.

Session 2:

Describe a time when you had to make a judgement call, under time pressure, to do something that turned out to be a success.

What is big O notation used for?

What is the big O result for accessing a specified index in an array?

What is the quickest possible outcome when searching a Binary Search Tree?

What data structures do you know? Write the class for one of these data structure.

Session 3:

Are you familiar with the Microsoft paint application? We want to develop an application to mirror the functionality of the “bucket” fill tool.

Write the method body with the method header given as: public void paint(Boolean [][] bitmap, int xStart, int yStart){}

**Ald Automotive\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Tell us about yourself?
* Can you talk about your college projects and point out what you have learned?
* Were they a group or individual projects?
* Do you prefer working in a team or individually?
* How would you communicate with a non-technical audience?
* What do you know about the insurance and re-insurance?
* Are you familiar with databases and querying them?
* Plans after the degree and what area of technology would you be interested in to work after you finish your degree?

**ArthurCox\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**IT Helpdesk Support**

* It was a group interview, which consisted of 3 people interviewing us and 5 students. very chilled, relaxed room. Nice people.
* They asked questions like your projects you've done, has there been conflict in your group. What was your job in the project?
* They asked if you were more technical or more to do with people skills.
* Talk about the course you’re doing right now, why you chose it.
* They asked what job you were going for after college.

**IT Helpdesk Support**

They had 5 of us in a meeting room. It was very relaxed and just wanted a conversation with us.

Asked the following:

1. Which would you be better at, technical skills or people skills?

2. What job you looking to do when you graduate?

3. Tell me a bit about the course you're doing

4. Talk about some of the projects you've took part in

5. Tell me how you got to where you are today

**BCC Risk Advisory\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**BCC Risk Advisory Security Analyst Interview**

-        **Competency questions:**

* Why do you want to be a security intern with Edgescan? What do you know about our company?
* Tell us about yourself. Are you planning to return to College after the internship? What prospects do you see for yourself in the IT security filed?
* Tell us about your modules and projects (expecting the answer to be linked to the field of IT security)? Conversation about IT security concepts and features implemented in those projects (Session management, input validation, parametric strings, JWT web tokens, encryption and security of data in transit and at rest, security of REST APIs, use of Symphony and Firebase frameworks).
* Conversation on IT security in general with the aim to identify real interest in the field (membership in any professional organisation like IAPP, following of relevant credible sources like IEEE Computer Society Magazine or OWASP, activity on GitHub, taking free online Udemy, Edx or HarvardX courses – great advantage). What do you know about IT security, penetration testing, other security concepts? What aspect interests you the most?
* Tell us about difficulties you encountered during team work and how did you overcome them?
* Conversation on part-time work with a link to data protection or IT security (ability to relate actual experience in any job to IT security filed – great advantage)

 -        **Technical questions:**

* Based off a scenario provided, explain the risks connected to SQL injection vulnerability for an online e-commerce retailer?
* What is SQL injection? What are the ways to perform it?
* Surprise question: What would you do to prevent the attack or defend against it? (Expecting the comprehensive answer covering the concept of validating input data, technical ways to do it – examples from projects great advantage, technologies to use and database and system secure design practices to minimise the harm in case the attack succeeds.)

All interviews were very friendly and informal

**The day before the interview they sent me a scenario:**

Jackie has a new online e-commerce site which she uses to place orders for her chocolate shop. Customers can select different types of chocolates, add them to a cart, register, pay for these using a credit card and have them delivered. If this website was found to have a SQL injection vulnerability, what kinds of security risks could present themselves to Jackie’s shop?

**Answer:**

The attacker could go to a login form on Jackie's website, an example would be a basic login system that's not secure. By using an SQL injection a hacker could receive all the information in Jackie's database, if Jackie stored credit card details in her database, attacker would have access to all of them. The attacker could also change details and save them to the database, an example would be if a customer was allergic to peanuts and ordered a bar with not nuts, the attacker could change the order details to list a chocolate bar with nuts in it and send it to the customer.

This interview was just a conversation about what I knew in regard to cyber security. They asked questions like:

1. What's your experience at NCI?
2. What was your favorite 2nd year module?
3. Explain your web application project
4. What vulnerabilities have you spotted in your projects and have you patched them?
5. Did you touch on any security related topics in a module?
6. Run through your work experience with me
7. Have you used kali linux before and what did you use it for?
8. Explain existing vulnerabilities you've spotted on the web.
9. Why did you do well in your highest graded module?
10. Why did you do badly in your lowest graded module?

I asked a lot of questions at the end of the interview, always flip the script when they are done.

**BCC/Edgescan\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.

* Talked about my cv
* Asked about what i do in my own in terms of researching vulnerabilities
* Asked me to present my prepared question(provided before the interview)
* Tell me about NCI and your modules?

2.

* Asked about how the NCI course is
* Asked about the strongest language i have
* Any favourite modules
* Any difficult modules
* Asked me what i knew about malware analysis
* What udemy courses I take in terms of security (mostly python)
* Talked about the SQL injection scenario and what risks would a customer have if their data was stolen from the site with said SQL injection (asked and then had a discussion)
* Talked about how one would prevent the SQL scenario (ie parameterised input, validation etc etc)(asked and then had a discussion)
* Then just talked about the company and what the interns would do (mostly edgescan)

3.

* Asked about the college and how I was getting on.
* Asked about projects from second year and the role I took on in those projects.
* Asked about least and most favourite modules.
* Asked about previous work and which role I enjoyed the most.
* Asked if I had any previous exposure to security software.
* Asked about hobbies.
* Asked about Jackie's e-commerce website and the vulnerabilities it might have if exposed to an SQL Injection.

4. Risk Analyst

* Discussed CV / tell us about yourself
* Asked what modules I enjoyed most
* Asked how projects went
* Asked about hobbies and interests.
* Asked about SQL injection attack

5. Risk Analyst

* Went over CV
* Talked about college projects
* Talked about job experience and roles in them jobs.
* Talked about hobbies, and skills like communication skills etc
* Asked about the question that was giving to study about SQL injection, what it was and what consequences it may have.

6. Risk Analyst

* Talk us through your CV and tell us about your course
* Asked about projects
* Was asked about a high-level overview of past jobs
* Asked to talk about myself, (hobbies, strengths and technical skills)
* Asked about SLQ injection and how to defend against it.

7.

* I had an interview with BCC on the 16th of November.
* A few days before the interview i was sent a technical question that i had to discuss during my interview. The question was about SQL injection and CSRF and the impact they have on a company.
* They asked me to talk about myself and my interest
* They asked me what im studying in college and what year im in
* what my favourite module is and what my least favourite module is
* Asked about my past jobs
* Asked about my team projects and wanted to know the application used and what languages we used

8.

* I was given a Technical Question two days before the interview in which I was asked to talk about the how a website can suffer If this website was found to have a SQL injection vulnerability and also be vulnerable to CSRF.
* Asked me about myself and were am i studying
* What's my favorite module that I am studying
* Why did you pick this role
* Asked about my projects from my C.V
* What about my work outside of college
* Asked my about the technical question
* Final Questions to ask the interviewers
* The interview lasted around 20 minutes

**BDO Ireland\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Innovation Intern

* TELL US SOMETHING ABOUT YOURSELF
* TALK ABOUT A PROJECT THAT YOU DID BEFORE
* HOW WOULD YOU SOLVE A PROBLEM DURING A PROJECT
* DO YOU KNOW ANYTHING ABOUT THIS ROLL
* WHAT IS YOUR FAVORITE SUBJECT AND WHY?

2. Innovation Intern

* How do you feel about automation?
* Tell me about your 1st/2nd year project.
* Are you working on a project currently?
* How do you feel about working in a team?
* Have you ever dealt with a team member not pulling his weight?
* Have you ever dealt with an unhappy customer and how did you handle it?
* Whats your favourite module?
* What module do you find hard?
* Why did you choose computing?

3. Innovation Intern

* Tell me about yourself?
* Why did you pick BSCBIS?
* What are your strengths?
* Are you involved in any side activities?
* Do you feel you can contribute to the success of this company?
* How did you deal with a conflict at your workplace?
* What would you do in a situation where there is an unhappy customer at your workplace?
* How did you come about this 5-k run for4 make a wish foundation(achievement)?
* Have you worked with any technology such as Alteryx?
* Tell me about your team project?
* What is an example of a conflict you had to resolve?
* Tell me about any modules that you didn’t so well in and why?
* How did you tackle the Business Analysis project?
* Any problems you faced in this project?
* What was the outcome of the project?
* Would you be willing to learn new technologies?
* do you have any experience with data analytics?
* Do you have any questions for me?
* Will I be dealing with coding?
* will I be learning all the new technologies mentioned?

4. Innovation Intern

* What modules do you like
* What modules do you not like
* What project are you proudest of
* How do you find working part time and managing college
* Have you any experience in data analytics
* How do you deal with a difficult customer/client
* Mostly just went through my CV for the interview

5.

* Went through cv
* When was a time you were innovative
* Tell me about yourself
* Are you familiar with office 365
* What do you know about BDO
* Why BDO
* What subjects did you find challenging and how did you tackle them.

6. Innovation Intern

* Went through Cv
* Favorite module?
* Favorite project?
* What is innovation to you?
* Why did you choose Computing in NCI?
* Have you dealt with a teammate not pulling their weight in a project? What did you do?

**Beaumont Hospital\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Number of Interviewers: 2

Interview:

Explanation of the groups of IT staff in the hospital and operations.

What was your motivation for choosing your course?

Experience with a group project using an example, and what it taught you?

How have you dealt with members of a group disagreeing with how the project is being handled/aren't pulling their weight? How did you deal with that?

Information of day to day work in the hospital as an intern and open opportunity to ask questions.

Beaumont Hospital

First, they explained what the IT sector of the hospital does, then they asked me about college projects and what I'm into and my pastimes and hobbies, then the questions asking part.

**Circit\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.VP Partnerships

Interview 1

* Could you tell me about yourself?
* Could you tell me about your course and talk me through your modules?
* What is your favourite module and why?
* What are you looking for in an internship?
* What stood out about the role for you?

Interview 2

We were given a task to create a small presentation excel file to plan how we would go about onboarding a new customer. We were told this could be presented on  Excel, Gantt chart, or Microsoft Power Point.

* Questions I was asked about the presentation
* Why did you use a Gantt chart
* Why did you put that task ahead of the other one, etc ?
* Can you broaden your points you've made and explain how you go about making this plan into a successful real life onboarding?

2. VP Partnership

* Could you tell me about yourself?
* Could you tell me about your course and talk me through your modules
* What are you looking for in an internship?
* Got given a task for a second round interview to create a excel file and to plan how the organization would bring in customers and how it would benefit the business.
* We were asked to create a presentation about customer on boarding planning.
* During the interview we were asked to go through our presentation and explain our ideas and how we came up with them.
* The interview lasted around 15 mins.

**Citco\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Development, Engineering and Analyst interns**

* Tell us about yourself (Passed education and current one)
* Why did you decided to study Technology Management?
* What do you like most about your course?
* Any Business Intelligence tool you are familiar with or used in the past?
* What kind of work environment would you like to work in?
* The interview went on for about 45 minutes.

**Citco – Development, Engineering and Analyst interns**

* Tell us about your projects
* Differences between Object Oriented Programming and Functional Programming
* What do you prefer for data analytics: R or Python? Why?
* SQL joints
* Describe different keys in SQL
* Tell us about your non-IT hobbies. (I was talking about independent cinema, next questions were about my favourite director and his movies)

**Citi\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Phone interview 30 mins long approx***

* This interview was very technology focused and required in depth knowledge of elements of projects such as programming languages & reasons for using them
* Tell me about yourself
* Tell me about some technology based college projects
* What problems did you face in these projects and how did you overcome them
* Work Experience tasking - what do you do on a daily basis, how does it have an impact, what kind of team do you work in

INSTEAD OF STAR MODEL, CITI RECOMMEND USING **CARL**model

Circumstances

Actions

Results

Learning

**Citi - Technology Placement Analyst**

* Briefly describe yourself.
* Why Citi? What makes Citi different to Bank of Ireland?
* Describe a project you did. What went well and what you would do differently.
* Asked me to describe the stages of a project I have done, start to finish.
* Asked me to tell them why you would use a for look instead of a where loop in Java.
* Handed me a piece of paper and asked me to write out two tables for an employee and a salary table and then write a Query connecting a salary and employee table with a join statement and get back an employee 10002 salary for the month.
* I wasn't asked anything about my work experience and didn't get the chance to ask questions.

**Citi - Technology Placement Analyst**

* Describe your experience in college
* Describe your college projects
* Can you give an example of a time you took leadership in a team?
* How do you handle conflict within groups?
* Can you tell me about a time you solved a problem?
* What do you use for source control?
* How do you keep up to date with new technologies?
* Do you have any experience with projects using new technologies (machine learning, cloud computing, big data?)
* Can you give an example of a time you displayed leadership outside of college (in your past times mentioned on CV)?
* Gave me logical question sheet at the end with simple enough brain teasers on it (for example: Mary is 14, John is 18 etc...)

**Citi - Technology Placement Analyst**

* Tell me about yourself? - Here I gave an overview of my experience to date.
* Tell me about technologies used in college projects and the reason for choosing this technology? Here I talked about Android studio, unity etc.
* Why did you apply with Citibank?

**Concern WorldWide\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Technical support**

They started with the typical talk us through your CV, subjects that you enjoy and past work experience.

Then they asked me a series of questions based around situations that may arise form day to day.

The first question was;

Q) a colleague is complaining about his Computer booting up slow,  applications opening slow and the computer is running slow.  What would you do to resolve this issue?

The second question was another situation based question,  they gave 5 random situations like  a colleague can't print a document, a colleague can't log in to his/her machine, a colleague is complaining about his computer being slow but its working and running, etc...  How would you prioritize each complaint and resolve them?

Other questions;

What would you do if you're overloaded with task/requests that needed to be resolved?

What is a system image?

What would you bring to the company?

What makes you stand out from the rest?

What is your ultimate goal after college?

**Cylynt\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Automation Intern

* Questions about interests, in my case sport and computer building.
* Did you use any backend systems within your first year website project?
* How did you set up a the LAN through a Raspberry Pi machine?
* Within PHP, how did you encrypt the passwords through the backend database?
* On LinkedIn it says that you have knowledge on Blockchain, explain what you know.
* Explain the difference between "==" and "===" in programming languages.

**DELL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.

* + Why Dell?
  + Why this role?
  + CV question
  + What other internships are you interested in?
  + Talk about one time you had a very tight deadline and how you managed it.
  + Talk about one time you had to teach yourself a new skill or coding language to get a project finished.

2.

* Mention a time where you had to meet a tight deadline?
* Mention why you would like to work for Dell?
* Why you would like the internship you applied for?
* What languages do you use?

### 3. Global business intelligence analyst

* Why Dell?
* Why this role?
* CV question
* What other internships are you interested in?
* Talk about one time you had a very tight deadline and how you managed it.
* Talk about one time you had to teach yourself a new skill or coding language to get a project finished.

4. Solutioning Intern

* Why did you apply for Dell?
* What about this role interests you?
* Talk about one time where you had a very tight deadline and how did you manage that?
* Talk about one time you had to learn a new skill or a new technology for a project?
* If you worked for Dell Technologies and had a project that contained lots of individual tasks, but you knew you couldn't deliver all of them for the final deadline, how would you deal with that?
* In work, college, or at home, how do you prioritise tasks? Can you give an example?
* The call lasted half an hour and she was very friendly. I had time to ask my own questions. Her advice for a phone interview like this or any interview was just to know the role really well from the job spec,and know your CV well. I researched a lot about Dell Technologies before the interview and it went really well.

5.

Data Analyst Intern

What are your biggest strengths and weaknesses?

What do you know about Dell?

Which do you prefer; JavaScript or Java and why?

Explain a time that you worked with an SQL server?

Have you ever worked on a group project where there was some difficulty? And in retrospect, what would you do differently?

What have you learned from your self-initiated project?

What technologies have you used in your project? Was it a group project or an individual project?

Why do you want to work with Dell?

Any questions? (I asked what happens in an average day for a data analyst, their buddy and ERG systems and their mentor system)

Keep in mind, that the interviewers I met with have looked at my CV for a few of the questions I listed here. Not to mention, I looked at who was interviewing me in advance.

It was split into Technical and Competency Questions where they asked about your technical projects and your skills and capabilities. I had answers prepared as well, though there were also times I had to improvise some answers.

6. Cybersecurity Intern

Type of Interview: Remote/Virtual (Zoom) - Competency/Technical

Duration: 45 Minutes

Total number of interviewers: 3

Q1 - Tell us about yourself.

Q2 - I see on your CV you did \_\_\_\_ , tell us about this.

Q3 - Why this role?

Q4 - Tell us about your prior work experience and the tasks you carried out.

Q5 - What was the main learning experience you gained from your prior work experience?

Q6 - Are you comfortable with the Python programming langauge? Tell us about your projects with it

Q7 - Is Python a compiled langauge?

Q8 - Are you familiar with the Jira tool or have you used something similar ?

Q9 - Do you work well with others?

Q10 - Any questions for us? (I asked what a typical day looks for them and how it was working for Atari (See below)

**Ding\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* CV ,
* Projects
* What you know about the company.
* technical interview  -OOP ,testing

First part of interview was with Jacqueline Hardiman. She was lovely and ask me general questions about me, went through the cv and ask question about my career, first was what I know about the company. why would I like to work for and so on!

Then interviewed by the QA manager Emily Kane. She went through the CV and she said I am interested on the 2nd year project about the application for tourists visiting Dublin.

She gave me a pencil and ask me to draw on whiteboard what the app looks like ? So I did, strarted form the registration page, login. she stopped me to ask specific questions about the technologies used. MySQL, PHP. She focused about the use of Bootstrap? which is to make the webpage responsive. I answered the question. she was asking general questions about the project!

She asked me where I see myself in 5 years? what is my achievement or things that makes me proud ? talked a lot about team work and project done in college.

Ding Interview (QA Engineer)

Type of testing experience from college

Asked about Ding- what you know about them?

Asked about previous experience

**Distilled SCH\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Tell me about yourself
* Describe an important project you worked on
* What do you know about the company
* What frameworks are you experienced in
* Why do you like back-end development
* Have you been working with any algorithms

**Ergo\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Ergo Interview – Service desk analyst**

The interview was very relaxed, and the interviewers were really nice and make you feel comfortable. No real technical questions unless you mention a few technical things they will ask you about them.

Questions asked;

·       Tell me about yourself?

·       Have you ever dealt with a difficult/angry customer? If you did what actions did you take?

·       Where do you see yourself after you graduate?

·       Is there an area in IT you are particularly interested in? (Software development, Web Development etc)

·       If you are successful in your application here, what would you hope to gain or take away from the experience?

A chance to ask a couple of questions at the end and they said they will let you know if you are invited to a second round interview.

**ESB/Electric Ireland\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.

* They started off with asking me how much I knew about the role and then went on to explain for a couple of minutes what would be involved.
* Next they asked me to run through my CV and there was a general conversation about my experience in college and part time employments.
* Next they moved onto the competency questions:
* Tell me about a time you set a goal?
* How did you work towards that goal?
* How did check if the goal was being reached?
* Can you tell me about a time you had a difficult customer service experience?
* Can you tell me about a time when you gave exceptional customer experience?
* Can you tell me about a time you had to work in a team?
* Can you tell me about a time you had to support someone in your team?
* Would you do anything differently now?
* Why ESB? What attracts you to the job?

2.

* Tell us about what modules/projects you've done.
* 2 Times you provided good customer service.
* Times you struggled on or failed to deliver on a project.
* Asked about how you benefited from working in a team.
* Any other achievements you're proud of.
* Knowledge of Excel and SharePoint?

Interview was 30 minutes in total. Two interviewers.

Started with going through my CV and asking general questions about each section,

1. Why did you pick your course?
2. What do you enjoy about your job? / What do you dislike about your job?

Three Competency Questions:

1. Tell us about a time  you set a goal to deliver results?
2. Tell us about a time you dealt with a difficult customer?
3. Tell us about a time you had conflict within a team?

Then the interview turned into a general conversation but with small questions such as:

1. Favorite / least favorite modules in college?
2. What do you know about Electric Ireland?
3. What do you know about ESB?
4. What do you know about Trading ? Do you know anything about electric markets ( their competitors basically) ?

And lastly why do you want to work for us?

**ESB – IT business internship**

1. A time you set a goal and how you achieved this.

2. A time you gave excellent customer service.

3. What you like and dislike about working in a team.

4. A time you worked in a team to solve a problem.

5. What you know about ESB.

**ESB - IT business internship**

Panel of two.

First 5 minutes they introduced the job description

Asked me to go through my CV.- Three questions were based on my CV.

Asked me to explain what I know about the company.

Asked competency questions:

1.Tell me when you set goals and achieved

2.Tell me when you delivered a satisfactory customer service

3.Tell me your greatest weakness and strength.

4.What makes you satisfied in a work environment

5.What frustrates you in a work environment

6.Tell me a time when you worked successfully as a team member.

**ESB - IT Services Internship**

Competency Interview - 3 Interviewers

3 topics - Teamwork, Customer Service, Delivering results.

Run through of my CV - mainly focusing on past projects, education and work experience

Teamwork:

* Time I have worked well in a team
* What I like and dislike about working in a team
* Problems encountered in a team

Delivering Results:

* Mainly just asked about my goals.
* Projects I have completed

Customer Service:

* A time I provided excellent customer service
* A time I had to deal with a problem with a customer.

Also a lot of questions got asked within questions based on my answers.

**ESB -** **IT Services Internship**

* Started by quick run through of my CV.
* I was interviewed by 3 people, each one asked me a question.
* First was about a time I delivered results.
* Second when I gave excellent customer service.
* Last question was while working in a team describe a time you encountered a problem
* Did I have any questions for them?

**ESB - Data Science Intern**

The interview consisted of competency type questions, I got asked the following.

* What was your biggest achievement and how did you do it?
* Was there ever a time you left a customer extremely satisfied?
* Was there ever a time you dealt with a difficult customer?
* What projects did you work on in college?
* What do you like about working in a team?
* What do you know about ESB?
* What are your preferred subjects in college?

**Electric Ireland**

* Example of working as part of a team –when it went well? When it went wrong?
* Example of when you have set a goal and achieved it
* Excel question- how would you go about doing a vlookup
* Databases- are you interested in big data, identifying consistencies in data. Reference experience of this from projects

**E Shop World\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Eshopworld - Software Development**

* Can you run us through your CV?
* Which project did you like working most on and why
* You've mentioned a personal project in your CV, why did you work on this project in particular?
* Why did you choose to school in Ireland?
* Are you familiar with an agile development model?
* Have you ever worked with scrums?
* Have you ever been the team leader?
* When did you not like working in a team and why? How did you tackle it?
* When did you like working in a team and why?
* Why did you use JavaScript in this project?
* How did you store data in this project?
* Have you ever set up a network of your own?
* What languages are you most comfortable with?
* What is SaaS?
* What is the most challenging thing you've had to work on with that language?
* Why did you start liking git?
* Have you ever worked in Visual Studio?
* Can you briefly describe your projects in ASP.NET?
* Do you have any questions for us?

The interview was fairly informal and lasted about 20 minutes. They had done thorough research on my github in advance - so they knew exactly what I was working on and what I have worked on. They had also gone through my CV very well beforehand and questioned me on things I had mentioned very briefly (including my Cisco Certification, my schooling in India, languages I knew, technical details of projects, languages I learnt on codeacademy).

Aside from the first few questions above, the rest of them weren't as formally structured. It was more like a conversation- where questions would be framed from within my responses. I had tried my best answering the questions with the STAR technique, so the following questions were mostly something I would briefly mention in the response. This is why I also feel my interview was "more technical than usual"- something they told me during the interview.

**Software Development Intern**

* What do you know about eshop**?**
* Why did you apply for Eshop?
* Can you run us through your CV?
* Which project did you like working most on and why?
* You've mentioned a personal project in your CV, why did you work on this project in particular?
* Why did you choose to go to Nci?
* Are you familiar with an agile development model?
* Have you ever worked with scrums?
* Have you ever been the team leader?
* When did you not like working in a team and why? How did you tackle it?
* When did you like working in a team and why?
* Why did you use JavaScript in this project?

**ESRI\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ERSI - Software developer intern**

* What do you know about ERSI?
* What do you know about the companies’ software, SWITCH?
* Explain what an inner join is in MySQL
* What do you know about C sharp and the.net platform?
* What are the subjects you are strong in?
* Discuss a project you worked on in college
* Discuss a team project you have been involved in?
* Have you ever dealt with a difficult customer?

**ERSI - Software developer intern**

* Why did you pick ESRI?
* Why Software Development?
* How comfortable are you with math?
* What language is your favourite?
* What is an inner join?
* What is an outer left join?
* Tell us about a time you found someone else's mistake in a team project.
* Tell us about a time you had difficulty working in a team.
* How do you usually collaborate in your team projects?
* Who picks what roles to do in a team project?
* What exactly was your role in the team project mentioned on your CV.
* Do you have any questions for us?

**ERSI - Software developer intern**

I was interviewed by three staff members of the ESRI. One from HR and the other two from the SWITCH team.

From my recollection, these were the questions they asked me during the interview and in this order.

* What do you know about the SWITCH model?
* What got you into doing Computing in college?
* What do you hope to get out of working here?
* What subject interests you the most from your course?
* Tell me about a team project that you worked on?
* What interests you about databases?
* How did you go about testing your projects?
* How did you deal with conflict in a team project?

The interview lasted about 15 minutes altogether. The interviewers were very friendly and enthusiastic. A lot of the interview was focused on your previous projects and how you were involved in them. At the end of the interview, they give you the opportunity to ask them any questions.

**Eurofins\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. What made me pick a degree in Computing?
2. Did I do any programming before college?
3. How difficult was it to initially understand and familiarise myself with object oriented programming over functional programming and explain some benefits of OOP?
4. What do we focus on most in our degree?
5. What project am I most proud of? (They asked some questions around the project and what technologies we used)
6. What programming languages am I familiar with?
7. Would I be more interested in backend for frontend software development?
8. How familiar I was with Agile software development as that is what they use?
9. How did we divide out work in our group project/what tools did we use to track progress?
10. What would I be expecting from my career in the next 3-5 years?
11. Would I prefer to work as a team or alone?
12. Would I prefer a broad description of what's needed or very specific instructions?
13. What would I be looking to get out of this internship?
14. How familiar am I with .Net?
15. How familiar am I with DevOps?

They did let me know that some of the questions didn't have any wrong answers and were used to  gauge me as a person and how I like to work. The last two questions about .Net and DevOps they let me know they didn't expect any experience with them but in the phone interview I was told they used .Net so I had researched it a bit before the interview.

**Fidelity Investments\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Fidelity Investments – Technology Internship**

* Why Fidelity?
* OOP Concepts (describe: Encapsulation, Inheritance, Object);
* MySQL Queries (WHERE, COUNT, etc);
* A time when a conflict arose in a team and what did you do?
* Explain your projects and what was your contribution?
* Where do you see yourself in 5 years?
* What are you most proud of in life? (personal, not professional)

**Fidelity Investments - Technology Internship**

1. What do you know about Fidelity?

2. Explain what is inheritance, encapsulation and other OOP basics with examples.

3. SQL queries, basic enough. e.g. Find all entries in a table Students with the first name John etc.

4. Why did you go into computing, what do you like about it?

5. Talk to us about a project you've done where you worked as part of a team. What other project have you done outside of college.

6. Where do you see yourself in 2 years?

7. What is your proudest achievement outside of class room?

They talked about their internship programme.

8. They asked if I had any questions.

**Fidelity Investments - Technology Internship**

1. What is Fidelity?

2. Can you tell me about your project done in your College?

3. Why you choose BSc in Computing course in NCI?

4. Difference between object and class.

5. What project you did by using java programming language?

6. Was there any problem in doing the project within your group. If yes, how did you guys face it?

7. What is the language you used in particular project (which means the project which written in your CV).

8. What is the subject you like most in your college and why?

9. SQL queries (how to show the table, count, where, duplicate error fixed, etc.)

10. Why you choose fidelity internship?

11. We have internship for various sector, which field you must like to go (programming or database) and why.

12. What is a particular thing you learn?

13. Technology used in your project (Whatsapp, Dropbox, GitHub, Google drive)

14. Give me example of inheritance method used in Java.

At last, do you have any question to ask us?

**Fidelity Investments - Technology Internship**

Interviewers - John Farrelly and Jenny Flynn

1. - What do you know about Fidelity Investments?

2. - Basic OOP concepts, explain how inheritance works, how you would use it.

3. - SQL queries, basic enough. e.g. Find all entries in a table Students with the first name John etc.

4. - What lead to you ...Read the rest of this topic(150 words)

**Fidelity Investments**

What do you know about Fidelity?

Why Choose Fidelity?

Tell us about your Projects

Tell is about a time where you had difficulty within a group project

Basic SQL queries i.e. retrieve Persons Name from particular Table

OOP Concepts/

What is Object Oriented Programming?

Explain the difference between a class and an object?

Explain Java Methods on Whiteboard/ i.e. Adding up two numbers

**Fidelity Investments Interview questions**

·       What do you know about Fidelity?

·       Why Choose Fidelity?

·       Can You explain your projects for us?

·       What different technologies did you use in your project?

·       Have you worked in a team? How did you resolve conflicts your group had?

·       Why did you choose Computing?

·       What were the difficulties you faced during your projects?

·       Define OOP, difference between Object and class.

·       Technical Questions about SQL and java.

**Fidelity Investments**

This was about 30 minutes long Zoom interview. 2 interviewers - one in charge of general questions relating to college and work experience and an engineer tasked with asking technical questions.

Questions I had:

1. What do you know about Fidelity and why did you apply for this internship?

2. Why did you choose your current course and what drew you to NCI?

3. Tell us about projects you worked on in college.

4. Have you ever faced a difficult situation in a group project and how did you deal with that?

5. Which path would you like to take in terms of programming?

6. What are you most proud of at the moment? What would you consider your biggest achievement?

7. What are you hoping to get out of this internship? What would be your goals?

8. SQL queries - joins, select, distinct, where...

9. OOP - what is it and what are its advantages? Explain different concepts related to OOP - class, object...

**Fusio\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* It was a 10 minute interview
* Nothing was brought up during the interview that wasn't specified in the brief beforehand
* Questions they asked:
* College projects this year and last
* What was my experience with both PHP and WordPress

**Gambling.com\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* The interview was about 30 mins. They introduce and talks about the company and what its like to work there
* The questions at the start are:
* Tell me about yourself
* What experience do you have with SQL
* I was then asked about technical questions which are:
* Can you tell me what a fact and dimensions are in SQL
* what is a Data Warehouse
* what are primary and foreign keys

**GrantThornton\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.

* Tell me about yourself
* What do you know about the company
* Name any time you received good feedback
* Talk about a recent team project, any conflicts?
* Describe a time where life and work responsibilities conflicted?
* What is your greatest achievement?
* Any questions?

2.

* Why NCI? Why [your course]?
* Talk about your projects
* Describe Yourself
* Talk about a time you received positive feedback
* Talk about a time where your life and work obligations conflicted
* Talk about a time you had a conflict with a customer/coworker/colleague/individual
* What do you know about grant Thornton

3.

* How do you fix a Blue Screen Of Death?
* Any experience working in teams?
* Whats your favourite and least favourite modules?
* Know anything about Grant Thornton?
* Why are you interested in working for Grant Thornton?

**Groupon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

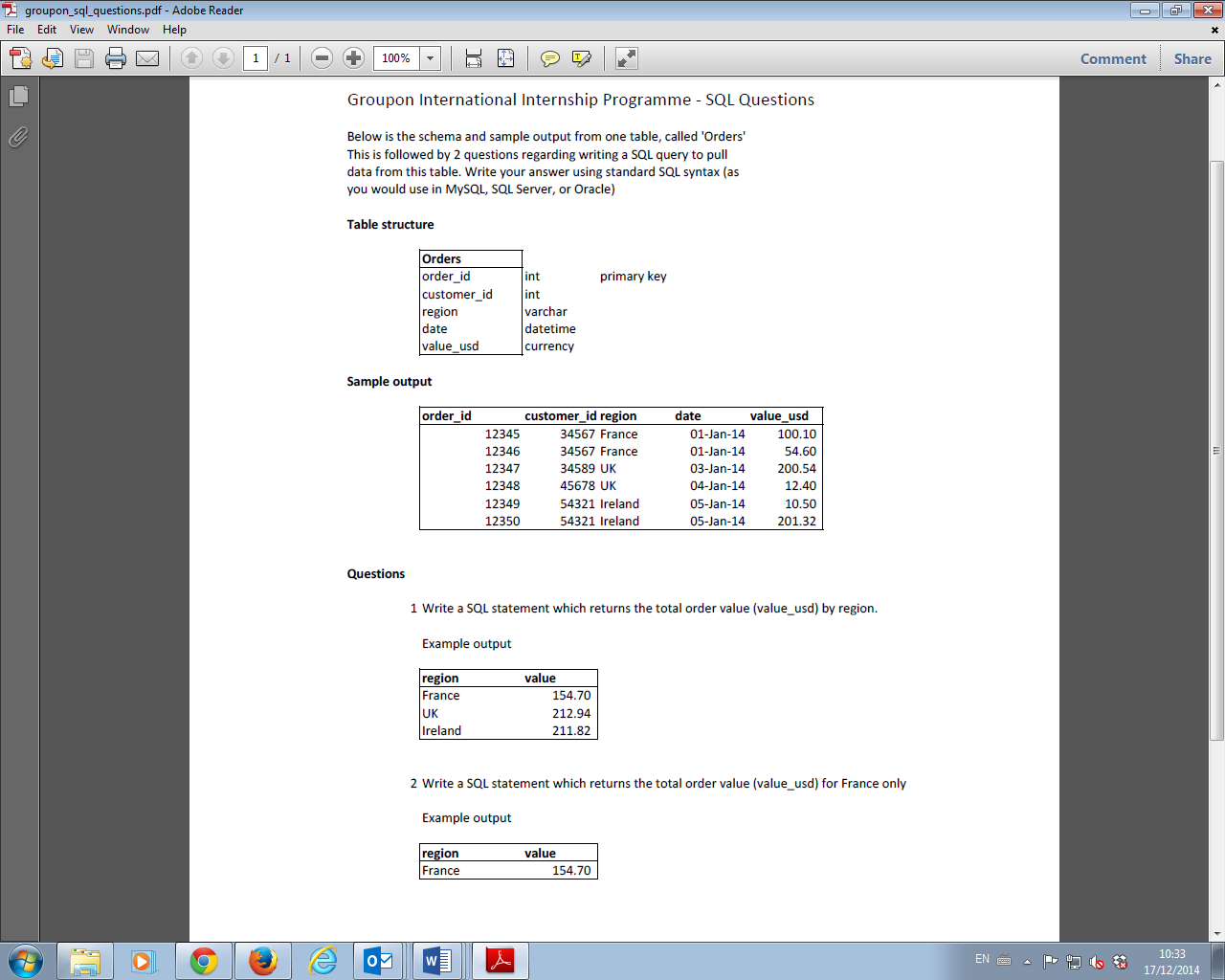
Sample 1 Testing questions:

* Implement a method called difference that gets two arrays of ints as arguments and returns a new array containing the elements of the first array that don't appear in the second. (basic programming,comparing 2 data structures- any language can be used)
* Implement a method called intersection that returns the common elements between two arrays of integers (basic programming,comparing 2 data structures- any language can be used)
* On the above there were a few questions around time complexity and optimisations

Sample 2 Testing questions:

below are the 2 questions we asked our Interns to solve on a white-board as part of the Intern selection process. There is not necessarily a right/wrong answer to these - but it has allowed us to see how their logic and reasoning works, their syntax and the efficacy of their coding.

* Data structures: Implement a stack without relying on the collections API. (Java)
* Algorithms: given a string (or character array) representing a formula and containing open and closed brackets e.g. (a+b)-(c+y) - can you write a method that would tell us if the string is well formed focusing \*only\* on brackets (i.e. single for loop and counter for brackets + basic method definition)  (regular expression)



**Hubspot\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Three stages:

*- Phone call interview with recruiter (behavioural) (30 mins)*

*- Phone call interview with manager (behavioural/some technical questions about projects etc) - (30 mins)*

*- Face to face with developers (technical questions, white boarding etc) (2 hrs, 1hr - JavaScript, 1hr - HTML/CSS)*

All of the interviews were casual and they were super friendly and encouraging, in particular during the technical interview.

* Phone call interview with recruiter questions:

- Tell me about yourself

- Tell me about your course

- What do you know about HubSpot?

- Tell me about a time you took ownership when a problem occurred, in college or outside college.

- Tell me about a time you had a disagreement with a lecturer/mentor and how you went about fixing the issue/receiving feedback.

- There were a few more, overall behavioural.

- Any questions?

* Phone call interview with manager questions:

- Tell me about your course

- Tell me about your projects

- What would be your dream job after graduating.

- Why did you use certain technologies in the projects.

- What happens when I click on a url - explain the process from start to finish

- Explain the difference between "==" and "===" operators.

- Explain the NaN function.

- Few more, cant remember all of them

- Any questions?

* Face to face technical interview questions:

*1 hr - HTML/CSS*

*-*Began with 10 minute tour by recruiter, then moved into a meeting room with two developers

- HTML basics

- Script tag goes where

- Explain the use of span over div

- CSS basics

- Selectors

- How to display something in the middle of the page

- How to make something invisible disappear.

- Explain pseudo classes and their uses.

- Have you ever used REACT/Angular etc,

- Have you ever used flex?

* *1 hr - JavaScript:*

*-*More in depth questions about technologies used in project.

- Explain difference between var, let and const

- Explain the function constructor and then write one on the board

- Explain event delegation

- How would you attach an event listener to a button click

- Explain IFFE and their use.

- How do arrow functions differ from classic JavaScript functions.

-  If you are given an array of strings, write the code to output the original array of strings reversed.

- If you are given an array of numbers, write a function that outputs a new array with the pair of numbers from the given array and there index value that would meet an inputted target value (IE - if target is 9, the pair from a num array like (1,2,3,4,5,7), the correct pair would be 2,7 and their index value would be 1,5).

* Any questions?

**ICEPE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.

* Michael Armstrong started with an explanation of what ICEPE does, where they are based.   
  He asked me to tell him about myself, the project - problems and the result.   
  Lastly, he asked me about how I would be able to travel going to Maynooth.

2.

Interview was brief with little structure.   
Interviewer Michael Armstrong began with an explanation of what ICEPE was, what they specialized in and where they were based.

* He then prompted me to run through my CV and to ask questions.
* He also asked me about my intended career path and rated me on it.

**3.**

* Asked about myself
* Mainly went through CV
* Asked a few questions about projects and experience

**Indeed\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Duration: 30 Minutes each

Total number of interviewers: 2 each (different interviewers each time)

There were 4 sepearte interviews scheduled for the role. Each interview had a different set of 2 interviewers who were managers from different departments of the company but each worked in Business Inteligence. Each interview looked to assess different skills needed for the roles.

1- Python Programming and problem solving:

I was given a link to HackerRank and given mathematical problems to solve using python code.

2- Data Modelling

I was given a link to HackerRank and was asked to perform certain MySQL queries on a given database.

3- Analytical Ability:

I was shown graphs and charts created by certain datasets and asked to analyse the resluts and create assumptions about the dataset based on the visualisations.

4- Hire Manager:

This interview was more so catered to an introduction to the separate departments an intern could be working in. They asked more general questions about the course and my experiences

I was also asked a number of general interview questions:

Q1 - Tell us about yourself.

Q2 - I see on your CV you did \_\_\_\_ , tell us about this.

Q3 - Explain what you have done on previous projects.

Q4 - List some tools you have used in previous projects.

Q5 - Any questions for us? (I asked about a typical day as part of the team they manage)

**Informatica\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Tell us about yourself.
* Asked about group project.
* Problems faced during group project and how you solved them.
* Different questions regarding customers relationships.
* Slight introduction about SQL and No SQL databases.

**Technical Support Intern**

* Can you tell us about yourself?
* Can you go through your CV for us?
* Will you be available to do video call to introduce you to our boss in US?

**Technical Support Intern**

Great interview, an hour long with a brief 10 minute or so technical part which wasn't as terrifying as I thought it would be.

A lot of questions based on customers and problems I had with them and the solution I sought out. I would recommend having some stories and scenarios prepared. What is my ideal job if I had one choice was asked.

Java Databases and operating systems I was asked about, Windows, Linux, MySQL, Oracle, Java (what’s a jar file).

Good teamwork and communication is a must, like nearly everywhere else but don’t be put off by Informatica. I was terrified and nearly bottled it but I got so much more out of it than I bargained for and I’d do it again just for the experience.

Be able to talk about yourself and what you want naturally and it'll be a breeze, nothing ventured nothing gained.

**Intern – Customer Global Support**

Format: video interview by Zoom, 30 minutes.

Participants: HR Staff, Engineer and applicant(myself).  
Post: Intern customer global support

Interview questions:  
1) Tell us about you (5 minutes).  
2) Talking about a problem solving situation(5 to 10 min).  
3) Answering your question for us.

**Irish Life\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Irish Life - Data Operations, Technician Services Analyst**

The interview was with 3 people at a round table, one from HR and both heads of the roles I chose, so the head of the data operations team and technician services team.

The interview started off very normal, - tell me about yourself, why did you chose NCI, why did you chose computing etc.

I was then asked questions based of my work experience, they really focused in on customer service and my ability to handle any customer queries.

I was then asked basic questions around how I'd gone out of my way to give excellent customer service, importance of good customer service etc.

After this the questions were about previous projects. A few questions asked in this were - An example of when everyone wasn't pulling their weight in a project, and what I thought was the most important factor for a team to work well together.

After this I was asked about their core competencies which are:

• Planning and Organising

• Problem Solving & Decision Making

• Team Work & Cross Functional Collaboration

• Technical ability

• Drive for Results

These question were asked by the heads of the IT departments I was interviewing for, really generic basic questions about these with examples for my answers.

After this I was told about the classic work day schedule for both places, how it worked, what I would be doing if I was successful with the interview etc. After this there was a few questions about other places I had interviewed, which role I would prefer to take and why.

At the very end they allowed for me to ask questions. Overall the interview was about 50 minutes to an hour, was really enjoyable and they really go out of their way to make you feel comfortable.

**IRISH LIFE:**

Competencies:

Team work and Cross functional collaboration

Customer satisfaction

Drive for Results

Communicating and influencing

Technical experience

Questions include:  
Asked to give an example of a good customer satisfaction experience .  
What are your favourite subject/ modules etc.  
How am I managing time throughout college with projects and exams.  
Asked what I know about IPSI

How I would test applications or programs.  
What would my role be in a group.  
Give an example of how I overcame any conflict in groups.  
How did I influence someone or persuade them to change their mind about an idea.  
Other questions about interests outside of college-sports etc

**Irish Water\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Tell us about yourself.
* Asked about group project.
* Problems faced during group project and how you solved them.
* Different questions regarding customers relationships.
* Slight introduction about SQL and No SQL databases.

**Irish Water - Customer Operations Intern**

Started with briefly describe yourself and summarize your CV.

1. Group work, Your role.

2. A situation, how you dealt with it

3. Why Irish water?

Really friendly. Make sure to have questions prepared to ask them.

**Jones Engineering\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Jones Engineering Group - Junior IT Intern**

1. Tell me about yourself.

2. Why computing?

3. What do you want to do after college?

Few other things from the CV

**Jones Engineering Group - Junior IT Intern**

* Tell me about yourself.
* What have you achieved in past education?
* Tell me about Software/Hardware you have used?
* Have you used any API's?
* Have you done took part in any Cisco projects?

**Kaseya\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.KASEYA Interview - Customer Support Engineer**

There were 2 interviewers - ***Competencies Questions***  
Questions:  
1. Can you tell us about yourself  
2. What did you enjoy about your course  
3. Tell us about your projects?is there any conflict.  
4. A time you gave excellent customer service  
5. Why did you study computing

**2.Kaseya interview**

Very easy interview was told at the start it was just going to be a chat,

Questions asked:

1. Tell me about yourself?
2. Tell me about your projects?
3. Give an example of a time you went above and beyond for a customer?
4. What is your favorite module and why?
5. Tell me about a time you dealt with a difficult customer?

 3.

* Tell us about the course/modules.
* What is your favorite module?
* How have you dealt with conflict inn a team project?
* Why is SQL used over XML?

4.

* Tell us why you chose Computing as your course?
* Tell us about your Project work?
* Why would you use a database to store data rather then a word file?
* What do you know about our company?

5.

* Tell us about yourself.
* Tell us why you picked this course?
* What is your favorite module? and Why?
* Tell us a project you were proud of?
* What do you know about our company?

**Kerry Group\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1. KERRY GROUP –ICT Internship**

1. Describe my modules and my course in general.

2. Why I chose to study Computing.

3. A project I was particularly proud of.

4. What I planned to focus on in fourth year.

5. Why I wanted to work for Kerry Group and what I knew about them.

6. A problem I dealt with during a project.

7. To explain what I did during my previous internship.

8. What I was studying this year in regards to modules.

9. My hobbies and interests.

**2. KERRY GROUP – ICT Internship**

1.Time when you had to analyse a problem and generate a solution?

2.Time when you set and achieved a goal?

3.A situation where you had to solve a problem?

3. ICT Internship

* Talk about yourself
* CV question
* How have you adapted to the last few months
* Why this role?
* Why Kerry Group?
* Previous projects
* Challenges faced and what you done to overcome them(in previous jobs/college projects)

**LexisNexis\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(First part : basic)**

* What do you know about the company?
* Tell me about yourself?
* Tell me about your best project?
* Tell me about any project difficulties

**(Second part : Technical)**

* Show me on the board how you would connect a student and teacher table?(Explain the diagram you drew\_
* Gave me a piece of paper which contained code in java and asked to circle the right outcome.(I pointed out a mistake in the code)
* Told me to explain polymorphism, inheritance on the board using code.(I did a polymorphic array)
* Problem solving question: you are given 10 coins. 9 of which are same and 1 is lighter than the others. using a weighing scale and three turns find the 1 coin.(took me 5 minutes 3 of which was spent asking questions about the problem)
* The developer wrote down 3 increments in a piece of paper and asked me to tell the outcome.

1. 1.) x=21
2. 2.) x++
3. 3.)++x(I stated, i never worked with this before and asked the how it works)

* The developer put two pieces of paper on the table and asked me to pick one.(i was told to solve this question on the board using java)
* The question stated a string such as (String str = "aaabbcddd") and i was told to count the most reaccuring character and store the number of times it reoccurs.
* Some others i do not remember.

**(Third part)**

* Manager was called in to discuss the role
* He asked how the interview was and answered any questions i had?
* The interview took roughly 1-2 hours but majority of it was coding and answering questions

**Mainstream\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* They started how the company works, what they expect the intern to do followed by work-experience/job-related and project-related.
* If there's anything I would find challenging, why I decided to work for them, and what I know about their company.

**Mastercard\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Role: Software Developer Intern**

**Interview type: Remote/Video ("WIth 2 interviewers")**

**Duration: 45mins - 1hr**

Interview Prep:

When given the interview. You are emailed 4 documents which each consist of 3 tasks that you must complete before the interview.

Interview Questions:

Most of the time of the interview is going to be spent reviewing your code and questions on why you did what you did and checking naming conventions. A lot of the time they are wondering if you are concerned with memory or know about it in general. Another thing mentioned is Garbage collection which is removing unused variables from memory.

Other Questions:

Other questions I was asked were motivational questions and team experience questions.

Question 1: They ask you to describe when you had a problem in particular in code. Where do you start and how do you go about defining this problem?

You can start with the error to find What it is. Then go to where it is, find out why it is how it happened, and also mention printing logs or using print statements to find the execution of code blocks. So, Find out What it is, Where it is, How it happened. Why it happened and When it happened.

Question 2: They ask if you have had any team projects in college. They ask if you ever had a team member that was not up to the task or had lacked the abilities and what you did in that situation exactly.

Question 3: They will also ask questions about why exactly you are interested in an internship at Mastercard and do you know anything about what they do? Other than the obvious. For example, they are always trying to improve the efficiency of their system to support the increasing growing scale of transactions per/sec or per/day etc.

1.

For the first part of the interview I had to present the coding challenge that I was given. I had to explain why I chose to code it in the way I did. They also asked me how I would make my program more user-friendly. I explained my choice of languages and software that I used.

For the second part of my interview I spoke about my college projects and previous internship. I answered questions such as:

* Tell me about a time you worked on a team
* Was there any problems with this project
* What technologies and software did you use and why?
* Did you do testing?
* Tell me about your previous internship, did you work on a team or on your own?

That's pretty much it. Make sure you can explain your code for the first part of the interview.

**Please come to the interview prepared to discuss these three opening questions**:

**1**. What recommendations would you provide for the password policy in a financial organisation?

**2**. Describe a 3-tier architecture for a web application. What security controls would you expect to be in place?

**3.** Pick any one of the OWASP Top 10. Describe how an attacker would exploit this flaw, and how a developer would defend against it in code.

1. **MasterCard Software Developer**

*I was interviewed by 3 people, a senior developer, a technician/Intern co-ordinator and a Business analyst.*

1. Describe one of your projects on Github (My instance a Facebook chat bot I built in Python)
2. Build an application that dynamically displays the Clients Country based on their I.P. address (Build in Grails framework)
3. Describe your Linux/Unix operating systems knowledge
4. Description of relative course experience
5. Why you picked this course, and where you see yourself in 10 years.

What software testing experience do you have? (JUnit etc.)

1. **Database Engineer**

* I was given a task to complete prior to the interview, the task involved creating a database, filling it with data, creating and restoring a backup
* Tell us about yourself?
* Did you complete the task? If so talk us through the process.
* Why did you use the technologies you did?
* What method did you use to create a backup, what other options is there?
* Can you create a backup if the database is online? Why/why not Answer: Depends on which technique you used for the backup.
* How did you restore the database?
* What difficulties did you have? What else did you try when you had these difficulties?
* What’s your overall experience with databases?

1. **Software Developer**

Context: Prior to interview, 4 assessments were given to us with the option of choosing only 1 to present on the interview day  
  
Challenge 1: Create a RESTFUL API  
Challenge 2: Create functions i.e. most common integer in array and deploy a webapp to Heroku  
Challenge 3: Build an apache web server  
Challenge 4: Build a standard HTML web page that renders a credit card form  
  
Questions:

Why did you choose this field?  
How are you doing during covid?  
Asked questions in relation to challenge and what I would do differently  
Do you know about unit testing?  
Asked about content on CV

1. Software Development

* I was asked about my projects on my CV
* Do you prefer team work to single work
* We went over the tasks they had given me
* Why I would want to work for them
* What it's like working/college working from home

1. **Software Development**

* What project do you say the best fit for you and the power for you?
* -Do you prefer team work or individual work?
* -How did you manage time to complete the project?
* -What will be your dream project to pick and work on?
* -What kind of trait do you have?
* -I presented how I solved the tasks that they had given me to solve in advance.
* (I was asked how I can modify the code that I had written to perform the other function.)

**McCann Fitzgerald\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Tips:

They are looking for confident people who can work under pressure. They are interested to hear about projects – team and individual.

Time management is really important to them so they may ask a question about this

Interviewers will explain the role,

Focus on job history- how do you deal with people?

Were there many stressed or problem clients you had to deal with?

**Mercury Engineering\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

The interview started of with a "Tell me about yourself" question. Was asked a bit about the company to see if I did my homework prior to the interview. Was also asked quite a bit about my cv, make sure to know your cv inside out (past experience and dates). Interview ended with "Tell me a time where you had to adapt" and generic interview questions. Overall it was a formal interview.

**OpenJaw\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Java primitive data types ie.  (Know them)
* Difference between java and C#
* XML,XSLT, XML schema (Know this inside out also had to write my code on a whiteboard )
* Github

**Peter McVerry\_Trust\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2 stages in the process.

Stage 1:

* 2 questions emailed to you and you have to email the answers by the end of the day

Stage 2: video interview with head of recruitment and IT manager

* Tell us about yourself?
* What do you know about us?
* Why do you want to work for us? (Tip: Talk about the Peter Mcvery ethos aswell as technical aspects of the roll)
* What makes you a suitable candidate for the placement?
* Think of a time where you ran into difficulties with a team member, what was it, how was it resolved and what was the outcome?
* Think of a time when you were forced to make compromises due to time constraints? What was it, how did you deal with it, what was the outcome?
* What social issues not tackled by the Peter McVery Trust are you passionate about?

**RapidRatings\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.**

Q1: How did you get into technology or coding?

Q2: Do you see yourself in the field for a long time?

Q3: Can you name each phase of the Software Development Life Cycle and give a brief description of each?

Q4: How would you deal with disagreements that lead to a stalemate as a team lead?

Q5: Can you explain Inheritance?

Q6: Why is Java seen as platformless?

Q7: Why is Java not a fully object oriented programming language?

Q8: Write down the 3 types of loops and make them indefinite loops.

Q9: Write down how you would handle exceptions.

Q10: What is method Overloading?

Q11: What does SQL stand for?

Q12: Write down how to access a certain row in SQL. (they had a sample database prepared)

The interview began with behavioural questions but quickly went into theory questions, followed by whiteboard syntax questions. I did not have to write down a lot of code, more just write down the main statements and describe what would be needed for those to work efficently. I was admittedly unprepared to write SQL queries but they aided me with the main keywords and the rest naturally followed, so don't be overwhelmed when asked to write code as they are very accommodating.

2.

* Explain Object Oriented Programming.
* What is an object?
* What is inheritence?
* Can you only inherit from one parent class?
* What are ways around this?
* What happens when you search a website in a web browser, what steps take place?
* How did I deploy a certain project?
* What was the pipeline like?

3.

* Can u describe the SDLC – Software development Lifecycle
* How would approach a client coming to and wanting to produce a product
* If u were to be a lead of a project and 2 people from a team of 6 were disagreeing about how a solution to a problem should be undertook how would you resolve the issue
* Write down how every loop works / make them run indefinitely
* Name the data modifiers
* Explain the concepts of object orientated programming
* Difference between RDMS and no sql databases
* Java is seen as platformless, why is that.
* Do you know the difference between positive and negative testing

**Revenue\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Revenue Commissioners**

* Why I chose to attend NCI, and why Computing.
* A project when a member of the team was unhappy, and how it was dealt with.
* A project where I set difficult goals and what happened.
* Explain inheritance.
* Explain polymorphism.
* Explain finally used in Java.
* What is the use of a constructor?
* A project when there was good synergy, and why do you think that was.
* Explain a particular project. What was the idea around the application? Then they asked me about the use of Firebase.
* A project where I was proud of the outcome.
* They asked me about my work experience, one job in particular, and what was involved in the role.
* If I was to work for revenue, would I like to go into development or analytics, and why.
* Any questions for them.

Tell me about yourself?

What projects have you worked on and languages/database used.

Tel me about your experience working in a team project.

What was your role in your team project?

What were the benefits, challenges and difficulties to be part of a team projects?

What would be the main features/characteristics of an application or website in order to make the users to enjoy to access it.

They accessed my projects through the links I put it in my CV and told me their impression about them projects.

Question about my work experience in the past.

As technical questions:

·       What do you know about Java?

·       What is Agile methodology what are the benefits of Agile compare with Waterfall.

·       Did I used any of these methodologies when I build me projects?

·       What is Spring Framework?

What strategy do you use when you are testing a project/application?

What do you know about Revenue?

What helpful things would you bring to the out team if you will get this job.

**SAP\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* They started off by telling me about the company background, about themselves, their role in their team and what the teams do in their company.
* Next they ask me about myself basically i told them an overview of my CV, which i talked about my current state in college, a bit about secondary school, a bit about work experience and my interest and achievement outside college anything to do with technology related and non-technology related.
* Next they asked me about group work I've done?
* Next they asked me about customer service i did and how that went?
* Next they asked me about my strength?
* Next they asked me about technology tools i used in my project?
* Next they asked me about the company SAP what i know about them?(I talked about their product SAP HANA)

**Interview preparation:** SAP Interview Prep Notes (NCI only)

* Know the products – not just ERP and CRM but really know **SAP HANA** and its uses and applications; a strong understanding of Hannah is essential
* STAR – in relation to Teamwork and Communication – stick to the STAR method!
* Strengths and Weaknesses
* Why SAP, Why this position (CoE) – focus on Cloud and Predictive Analytics
* **BE CONFIDENT**
* Smart dress – tie and DO NOT SLOUCH
* Don’t lie – if you don’t know something, admit it and mention ways you would go about rectifying this
* PROJECT WORK – know your project work inside out and prepare to talk and steer the conversation on this (leaving cert oral) ie. My 2nd year project was based on X and there were Y number of people on my team………
* Be prepared to speak about all projects from 1st year on and know them all inside out, similarly know your CV inside out and be prepared to answer all questions surrounding the information that you have on it

Software Developer/Engineer Intern on the Design Studio product team.

We didn't have a whiteboard interview.

1. Tell us a bit about yourself  
2. What was it that made you want to study computers in college  
3. What kind of projects have you worked on  
4. What challenges did you face in the projects you worked on  
5. What made you choose NCI  
6. What do you know about our design studio product  
7. Do you have any ideas for what you'd like to do for your final year project ( I answered Gaming which they didnt like since SAP don't do gaming)  
8. (Databases question) Do you know the difference between a primary and foreign key  
9. (Databases question) Can you explain an index in a database

**Interview questions:**

* Tell me about yourself?
* Why do you want to work with SAP?
* What do you know about SAP?
* Tell me about your projects? Asked detailed questions about them
* Any projects you are particularly proud of?
* Any software that was in common with my cv and SAP he wanted to know how much I knew about it
* Wanted to know what my strong points where
* Asked me to write SQL code for databases
* Why I want to work for SAP
* What is your favourite subject in college?
* What was your least favourite?
* What teams have you worked in? Have you ever had to deal with a difficult team member? Tell us about your work experience during college?

I was asked three technical question in my interview one was to write a java class that could take input from a user and display it back, another one was to explain polymorphism and the other was to give an example of a conditional SQL query. Aside from the technical questions I was asked about my strengths, projects and interests and I was also asked what I knew about SAP and their products. The rest of my interview was just general conversation about the role.

I was asked to write a simple Java class that could do anything I wanted.

For the technical portion I was asked to write a Java program that asked a user to enter a number and the program would tell if it was divisible by either 3, 5 or neither.

**SAP -CoE Technology Internship**

There were 2 interviewers

1. Tell me about yourself

2. Describe the projects you have on your CV

3. Describe the course you’re doing and why you picked it

4. What do you know about SAP?

5. Describe SAP HANA

6. Explain Inheritance and Polymorphism

7. Explain the basics of Model-View-Controller (MVC)

The interview was around 40 minutes and you have time at the end to ask any questions.

**SAP – CoE Technology Internship**

Panel of two

1. Asked to tell them a bit about myself

2. Asked to describe projects I had on my CV

3. Asked what i know about the company

4. Asked about the products from the company (S4 Hannah really got their attention, know the in and outs of it)

5. Asked Javascript question (operations and functions) and HTML5

6. Asked about willing to travel in the future.

7. Have some good questions prepared at the end it makes you look more interested in the role

**SAP - CoE Technology Internship**

* There were 3 interviewers
* First I had to talk about my projects as they went through my CV
* Then I was asked to talk about/explain numerous OO topics:
* Classes, objects and instance variables
* Inheritance, polymorphism (overriding, overloading), interface vs abstract class
* public, private, protected and super (explain in detail)
* Whiteboard:  1 interviewer wrote something like "xdj7shsfaaauiggddddm3q" on the whiteboard and told me to write a method which returns the number of the most consecutive letter and what letter it is.  E.g. this would return an object with d and 4.
* There was 10 mins for my questions at the end
* The whole interview was 30 mins.

**SAP –- User Assistance Developer**

* First stage was an over the phone interview, I was asked all the usual such as why I want to work for SAP, what I do in my spare time, a lot of questions about where I work in retail and a time I delivered good customer experience.
* I was also asked about all the projects on my CV and also everything to do with my own projects in my own time too and how I learned the languages I know.
* I was then invited to an interview in Citywest. To start with I was taken to a conference room and introduced to a girl who was an ex intern and is now full time for SAP.
* I was then told briefly about SAP following the call and about the role in particular. I was asked why I choose SAP again and why I chose that role in particular. We then had a few minutes’ general chat about the storm and I was then thrown a bunch of cubes with photos of different things on them, whatever way they landed I had to tell a story based on what they had on the photos on top.
* After this I was asked in-depth details about every project I’ve done, about all the websites I’ve designed, the in-depths of how all the code works together on my mobile applications.
* I was then asked to put myself in their position six months ago when they nearly failed to deliver a product and asked to describe how I would have fixed the situation.
* I was then absolutely grilled would be a better way of putting it, on my coding abilities. I was given a piece of paper and had to write an application in any language to do a loop through numbers displaying results on each multiple of certain other numbers, had to explain but was very tough going.  They said to me I could talk through it rather than writing it down and were very happy with the answer, was much quicker to say it out rather than writing it on paper.
* Following this exercise, I was tested on every single skill I said and they knew a lot of in-depth details about the websites I listed that I made so they asked me a lot of technical questions related to them and the mobile apps I made too and looked at example of my code on my laptop. They also asked me about how Object Oriented Coding is a good way to code.
* I'm sure they asked me some other things but I can't remember off the top of the head. It was definitely a tough interview but they gave me plenty of time for everything and then had 10 minutes at the end for me to ask all my questions and they said they'll be back in touch in the next couple of days.
* Was overall an amazing experience of an interview and their offices are insanely cool

**SinglePoint\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Tell us a little about yourself.
* Tell us about an agile framework. (Scrum)
* Make sure you know Scrum inside and out (3 main roles, burndown graphs, product backlog, sprint backlog and sprints etc)
* If you've used Scrum for a project bring it up and link the two.
* Tell us about one of your many project.
* Talk about roles, what you did and the overall work fulfilled by the team. (Try link skills like languages and methodologies to the project here)
* Know AJAX, JQuery and JSON.
* What can you tell us about Javascript
* Talk about the simple stuff like variables objects and arrays.
* What can you tell us about SQL?
* Know SQL and what it stands for. Know: (wildcards, distinct, insertion, deletion, and general manipulation of records)
* What can you tell us about GitBash
* Git Bash CLI commands like checkout and create remotes etc..
* What's your favorite module and why?
* Be able to explain why and what aspects you love.
* What's your least favorite or hardest module?
* Be able to explain why you find it hard but also be able to explain ways you tend to improve upon it.
* Do you know anything about us and what we do?
* Be able to explain that they're a data transformation company that uses the AWS framework and mention their open source framework called DAPX.
* Be able to outline some previous and current customers.

**Spector\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.**

* Phone Interview - Mostly project based.
* How I’m doing college
* Work experience
* Projects
* What difficulties i had and how i fixed them

**2.**

* \*Interview was an informal phone call\*
* What do you know about us?
* Why do you want to work for us?
* What do you expect to get out of our internship?
* What skills/ qualities do you posses that would make you the most  suitable candidate? (& a follow up question depending on your answer)
* Pretend you're our employee and you get a call from one of our clients who say they cant access the Internet, run me through a step by step process of how you would troubleshoot and resolve the issue (you cannot use the Microsoft troubleshooter)
* What is Active Directory?

**Susquehanna\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.**

* Why did you want a career in IT
* Why SIG
* What are the components of a computer system
* What do you think is the slowest part of a computer system
* Give 3 advantages of storing data in the cloud
* Give 3 advantages of data stored onsite
* Do you know what we at SIG do
* How do you balance your part time job and college as well other hobbies etc.
* What was your favourite project and why
* When you enter a url what happens
* How is technology involved in your life outside of college
* Do you use any technologies to help you with your work life balance
* Have you applied to many other companies for internship and if so where

**Tekenable\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Tell us why you chose your course?
* Talk to us about your past work experience?
* Talk to us about your Projects you have done in college
* What are your favourite modules?
* What do you know about our company?
* Name and explain one strength and weakness of yours?
* What do you know about Software Testing?
* Have you got any questions for us?

**Travelport\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

This was the final stage of the interviewing process from Travelport. It started off with an 'ice-breaker' among all interviewees, where we had to introduce ourselves and were given 30 seconds to find something from around your room that accurately represents you as a person (don't stress about this, I literally chose a PlayStation controller). This was mainly to get to know who you are as a person. After this, they introduced themselves more, then they broke us into groups to do challenges, where you had to crack codes and puzzles in order to see how you work in a group and how you tackled tricky questions. They did this twice, with different activities in each breakout group, then we had an hour break, then after we had to do a coding challenge in Java. Finally, there was an interview at the end, where two Travelport employees asked you some more questions, again, simply to get to know you. This part of the interview was very laid-back and it was more of a casual conversation where it was allowed to flow naturally, nothing technical, though they do ask you about what you're doing in college and if you enjoy it and what's your favourite part about the course (which could lead to technical questions).

**1.Travelport Digital - Software Development Intern**

This was a 3 stage interview first 45 min phone call with HR

Then final stage with two tech developers and then an IT manager afterwards.

**Phone call:**

* What type of people do you not like working with?
* Asked about previous Projects.
* Tell me a little bit about the company?
* Strengths and weaknesses.
* End goals and general Interest in the company and the role.
* Working well in a team.
* Adapting to change and pressure.
* Why did you choose this company?

**2 tech leads final stage:**

Run through a previous project with them or a current project your working on

I showed them a project I am currently working on go through the code explain how you could make it better what could go wrong with it etc.

**Final stage: Tech Manager**

This guy basically wanted to see face-to-face will you work well in a team are you serious about the job and the role are you enthusiastic are you willing to learn and adapt. Similar questions to the first stage HR interview.

**General Tips:**

Travelport where a company that came and did a presentation at NCI. I was instantly interested in them as they use Java to write their server and Android client side applications.

I’m very Interested in Java and I was asking a lot of questions and put myself forward and that's what they want - people who are not afraid to ask questions and learn.

Be enthusiastic know what area of IT you wish to pursue as well as being open to gaining as much knowledge as possible.

**Phone Interview:**

1. What do you know about Travelport?
2. What do you know about our internship program?
3. Do you know anyone that works at travel port digital?
4. Why do you want to work at Travelport?
5. What do you hope to get out of the internship?

After this she ran though my CV to check if I am what I wrote down. I mentioned that I was learning React.JS on my own so she wanted to know what exactly I used it for. She ran through the Project that I listed down, I explain what it was and what technologies I used it. Next she went though my work experience, things like what I do or did at my previous job, what I like or liked about it. She spoke about my hobbies too. When she was done talking about my CV I asked quite a bit of questions in regard to what I'll be doing at the business and a couple of the technologies that they use.

**The Actual Interview:**

Here I brought my laptop with me to run through my projects, this lasted most of the interview, between each project they'd throw some theory questions here and there like:

1. What is the difference between a linked list and a double linked list?
2. What is the difference between a dynamically typed and static typed language and give examples of each.
3. What is the difference between an interface and an abstract class?
4. Explain polymorphism.
5. How could you improve that project and there's an error in your code can you spot it?
6. Where do you see yourself after college?
7. What is the number 1 thing that you'd love to learn?

**2.Travelport Digital**

* **Project:**Talked through my code, how I could improve it, vulnerabilities and what I would do now that could improve the project.
* **OOP concepts:**Encapsulation, polymorphism (overloading & overriding), inheritance and what is an interface.

**Standard Questions:**

* Tell me about Travelport Digital.
* How did you work amongst a team?
* Do you like working in a group?
* How did you solve problems in the group?
* Do you know what agile is?
* Are you comfortable allowing a senior developer review your code?

The interview was very relaxed and informal. I mentioned how I liked the idea of the 'Jack of all trades' internship programme they were offering and it would be beneficial for me to learn as much as possible before I go into my final year and emphasised how I wanted to get into software dev and mentioned that I thought that this was the perfect placement to learn as much as possible about that and they seemed to really like that.

3.

Technical Test: Work through 25 computing questions.  
Team Tasks: Answer 10 tasks with your team, while allocating tasks along the way.  
Puzzles: Answer 6 abstract puzzles as a team  
Technical Test Review: Going over your technical test answers with an interviewer  
  
**Interview**

1. Tell me about yourself.
2. How would you feel about assigning a task to a team member, so they can do the task alone?
3. How have you managed to work through COVID?
4. Explain how you would prevent external factors from compromising plans in a team.
5. Questions

*Breaks were scattered throughout the day*

4.

Showcase day consisted of firstly completing a technical assessment. 25 Questions. Basic OOP  sort of questions. Followed by a group exercise, all split up into groups where you then worked through 10 tasks assigning tasks to members of your group. Another group exercise followed this where you worked as a team to solve 6 puzzles.

After all that you then were put into a breakout room with one of their current graduate interns. Eamonn, Estera, or Ankita which also spoke at the Travelport talk on MS teams a few weeks before. They went through your technical assessment with you and just explained anything you may have got wrong in it.

Following this you were then placed into a different breakout room for your final interview. I had a member from the HR department and also a software development manager. Interview lasted approx. 25mins. Some questions were:

* Tell us about yourself
* Talk about a college project
* How have you adapted to learning from home, what do you like, what do you not like
* Tell us about your course, is there anything about your course that you would like to change if you could
* How do you manage to balance your time between work, college and other activities

Top of Form

**Ultan Technologies\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.

* Favorite language?
* What do you know about us?
* What is your knowledge of SQL Queries like?
* Tell me about yourself?
* When was a time you showed initiative?
* What times have you worked In a group and were you effective?
* If a team member didn't pull their weight how did you deal with this?
* Why Computing?
* Why Ultan Technologies?
* Most proud moment inside or outside of college?
* Why do you think you are best fitted for this role?

**Verizon Media\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Explaining OOP.
* Data Structures.
* How many bits in a byte.
* How many bytes in a megabyte.
* What is an 404 error.
* Previous Projects.
* Hobbies

**Interview Questions - OOP version**

If you choose to do the coding test in java there will be some minor differences as questions are more object oriented.

The coding challenge is the same as the javascript version although less refinement is needed for example

These are the url's you are required to process

["https://www.huffingtonpost.co.uk/","https://www.huffingtonpost.co.uk/entry/brexit-secretary?utm\_hp\_ref=uk-politics"]

This is the expected output containing the processed url and the number of occurrences

["www.huffingtonpost.co.uk 2"]

**Questions that were asked?**

**Technical questions**

1.explain method overriding?

2.explain method overloading?

3. name some data structures?

4. how many bits in a byte?

5.explain the following operators <,>,||,!=,==

6.tell me about one of your previous projects along with any technology's used?

7.Name some design patterns?

8. What is css and what is it used for?

9. what is status code 404?

**Manager questions**

1 Tell me about a time that you did something creative

2 Talk about a time you had to make tough decision

3  Example of how you worked as part of a team

“What is method overwriting”

“What is method overloading”

“Explain a join”

What recent technology developments interested you?

Tell me about a time you had to help someone?

What do you do for fun?

- Asks about previous projects (how to find bug by visuals, what you did in them, what code you used).  
    - HTTP Page 404 (what is it?).  
    - Java(Inheritance, Method Overriding, Method Overloading, Iterations, Hash Functions).  
    - JavaScript (Where to implement it, give an example of a function).  
    - CSS (where it's implemented).

**Written Test:**  
    - Java/C++ (Reverse a String & Reverse a List or Array).  
    - SQL (Syntax definitions, write out code and show what it takes from table, Linux questions).  
    - CSS (Box Model, where it's written/implemented, syntax).  
    - JavaScript (Functions, which syntax is correct, how to implement it).

**Software Engineering internship**

Students sent link to complete online test. The test involves 3 tasks - 2 are mandatory, the 3rd is a bonus question. They are given 2 hours to complete the assessment.  They are also given a link which they should read before doing the test. <https://codility.com/candidate-faq>

List different data structures.  
Reason to use one over the other.  
How to go about debugging a programming.  
Explain Programming patterns such as the design pattern.  
What is a bit.  
How many bits in a byte.  
How you keep up with technology.   
And then in the cultural interview it was questions about teamwork,helping others and managing fast paced situations.

The interview was in two parts, the first was the technical interview with a manager and a software engineer. They told me that this is usually two separate interviews but because I was only applying as an intern they were combined. The interview it’s self was actually quite relaxed and they seem genuinely interested in my responses and or thoughts on technical aspects of software engineering.

Technical questions:

* What is a hashSet?
* What is CSS used for?
* How do you create an input box in a HTML form?
* What’s the difference between inline styling and an external stylesheet in CSS?
* What tags surround a JavaScript function in a HTML document?
* What’s the difference between a primitive type and an object type?
* What does a 404 error represent.
* What is a design pattern?
* Tell me about a project you worked on and what technologies you implemented.

The second interview was with the cultural ambassador for the company who was also a software engineer. She asked the more typical interview questions:

* Tell me about a time you worked to a deadline.
* Tell me about a time you had to deal with conflict.
* Tell me about any group project you worked on and how you contributed to the team.
* Tell me about a time you helped somebody and what you learned from the experience.

Both interviews lasted about thirty minutes each. They said I would hear back from them either today or tomorrow about the job.

Side note: At the end of the first interview the manager said “We are not looking for someone to sit in the corner and code all day, we want someone that we can enjoy lunch with.”

**Software Engineering internship**

The first step: technical test (online) - 2 hours, 3 problems: you choose your own language to solve the first 2 problems. 1st was writing a piece of code that counts the number of '1' after converting an integer (int A \* int B) from decimal into binary. 2nd was debugging a piece of code (if conditional syntax) and the 3rd was compiling a SQL statement to show information from two tables (group by/ count/

I had a technical and managerial interview with two people (a hiring manager and a senior software developer) that lasted around 40 minutes. The interview was structured and consisted of around 30 short questions. There were general knowledge questions (definition, comparison, examples) around the following topics: iteration vs repetition, classes, inheritance, polymorphism, method overriding, method overloading, design pattern, hash map, join, array list vs linked list, testing code (how?), bits and bytes, HTTP Page 404, HTML - popular tags (form, link), CSS - what is it and what's the syntax, JavaScript - what is it and how to implement it.

The managerial part was around the past projects, team work and future plans: tell about a successful project + white board (draw your project), issues, actions, results; why did you choose that technology? tech blogs or websites that interest you, any tech news; future plans (areas of interest: front end/ back end development); what technology is your favorite (what do you like about it? what do you hate about it?).

After that, I had a cultural interview with one of their cultural ambassadors (not from HR) that was around 30 minutes. Also a structured interview. Four sections around their core values: helping others, work hard/play hard: Tell me about a time your team success depended on your actions/ Tell me about a stressful time and what you did to overcome it/ Tell me when you helped someone (what did you learn from it?)/ Tell me about what you are doing for fun.

**Software Engineering internship**

Coding test AOL:

Multiple choice section was handy enough, then the timed coding section more challenging, There were 7 multiple choice questions at the start and it finished with 3 coding segments which you write code to print out the correct answer.

Some topics that came up were:

Merging strings alternatively (Coding question) eg; abc + def = adbecf

Printing factorial of a number (Coding question) eg; factorial of 2 = 4, factorial of 4 =24 etc.

Binary Search trees (Coding question) eg; if a value existed, you would print 1, if not you would print 0.

Multiple Choice ( HTML, CSS, adding bitwise numbers, method overriding)

**Technical Interview:**

*2 members of the tech team, 45 minutes*

They asked me to talk about any of my previous projects

* What was the project
* Breakdown how it works
* What technologies were used
* What parts did I work on
* What difficulties were encountered
* If you could change 1 thing about the project what would it be?

What is the difference between

* ***Method Overloading*** and ***Method Overriding***
* ***Inheritance***  and ***Composition***
* ***Recursion*** and ***Iteration*** in terms of ***memory***
* ***Primitive types*** and ***Object types***
* ***Generic Tree*** and a ***Binary Tree***

How do ***Lists*** work? (e.g. ArrayLists, Single Linked Lists, Double Linked Lists)

What situation would you use an ***ArrayList*** over a ***Linked List?***

How do ***Maps*** work? (e.g. HashMaps)

What Javascript **frameworks** have you used? (e.g. JQuery)

How do you use **inline** Javascript?

How do you (personally) normally use ***Javascript*** and ***CSS*** in your webpages?

How do you add a text field ***input*** to a form?

What blogs do you follow? (Technical or otherwise)

What field would you like to end up in? (e.g Engineering, Security, WebDev)

**Cultural Assessment:**

*1 person, 15 minutes*

Only asked 3 questions

* Talk about a time you worked on a good team
* Talk about something you have done which you are proud of
* Talk about something you have done which excited you

The answers to these questions did not need to be about technical projects. You could talk about hobbies, work placements, past projects, volunteer work, etc.

**Oath**

The interview process doesn't change for oath between the java and java script version.  
You make a program that takes a list of websites and have them output as the URL name with a number of how many times that URL appears.

1.explain method overriding?

2.explain method overloading?

3. name some data structures?

4. how many bits in a byte?

5.explain the following operators <,>,||,!=,==

6.tell me about one of your previous projects along with any technology's used?

7.Name some design patterns?

8. What is css and what is it used for?

9. what is status code 404?

The Manager Questions were also the same,

**1.** Tell me about a time that you did something creative

 2.Talk about a time you had to make tough decision

 3.  Example of how you worked as part of a team

**VHI\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A)

* The interview took about 30 mins. The questions they have asked me are:
* What do you know about VHI?
* Why do you want to work for VHI?
* Describe a recent problem you dealt with in a project and how you dealt with it?
* Why did you choose to pursue the career of Software Engineer?
* What do you know about the role you are applying for ? ( IT Engineer)
* If you are stuck with a problem, Which sources do you use to find the answer? (i.e Books, Articles, Websites)
* Where do you see yourself in 3-5 years time ?
* Which VHI cooperate value is most important to me? (They give you an attached pdf with all their values in an email once you are scheduled for an interview).

B)

I was asked 3 sets of questions. The first was to talk about why I wanted to work at vhi. Then to extrapolate on what their corporate values meant to me. Secondly I was asked about completing college group projects and how I dealt with adversity in regards to team members who didn't pull their own weight in the project. The final question was where I see myself in 3-5 years in terms of my own career aspirations. They also were pleased with the questions I asked them. Such as why they choose to work at vhi and what the turnover was like.

**WebLiveView\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.**

* What do you know about the company?
* How do you stay informed about current and new technology?
* Do you know about any new developments in IOS?
* What do you wish to get out of an internship with us?

2.

* Who are you?
* What do you know about the company?
* How do you stay up to date about new technologies?
* What was the latest update from Apple for computer + Iphone ?
* Why are you the best candidate for this work placement?

**Workday\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Role: Software Development Engineer Intern

Type of Interview: Remote/Virtual (Zoom)

Duration: 45 Minutes

Total number of interviewers: 1

The main theme of my interview was experiences, and it was very conversational in nature. He was looking for examples from my life (college or otherwise) that I could draw from for different topics that he had.

- What do you know about Workday, what is your understanding of what we do?

- Why did you chose Workday?

- From your experience can you give an example of how you’ve worked on a group project, and how my teamwork skills have been put to use.

- A question was about presentation skills, he asked how comfortable I was about doing presentations, or on a smaller scale how comfortable I am about asking for help or guidance.

- Give an example of a particularly difficult situation within a team or learning something that you couldn’t get a grasp of. And how you dealt with the situation.

- What drove me towards programming?

- What do you see as an ideal career for yourself? And Why?

- And then to finish off, he asked me what questions I had for him.

I know I’m forgetting some questions, but these are the ones that I remember. He said I was preempting a lot of his questions within my answers, so a lot of the questions were follow up on my answers. So make sure whatever answers you give, you're comfortable talking further about it.

I had also prepared myself for the general OOP questions, but he never asked me any. Although I heard that they usually ask, especially about the OOP principles, and other theoretical questions so don’t overlook them!

**Workday - Application Development Engineer**

1. What do you know about Workday?

2. Why Computing?

3. What languages have you used?

4. Have you used UML?

5. Have you used Agile?

6. Tell me about a project you worked on?

7. Draw out the architecture for an app you made.

**Workday – Application Development Engineer**

1. What you know about company?

2. Where you see myself after 5 years?

3. Tell me about one project you proud off?

4. Tell me about a conflict that you have working in team and how you solved it.

5. Tell me about your previous job.

6. Discuss any conflicts with co-workers or customer that you had.

7. How you manage the role of Project Manager.

8. Initiatives you took in the project discussed.

9. Describe 5 Java Fundamentals.

10. What is UML?

11. Class diagram and explain it on whiteboard.

12. Use case diagram and explain it on whiteboard.

13. What is polymorphism?

14. Explain with example on whiteboard what is inheritance.

15. Explain Agile.

**Workday - Application Development Engineer**

1.      What do you know about Workday?

3.      Why do you want to work for Workday?

4.      Can you describe what OOP is?

5.      What’s your favourite module in college?

6.      What’s your favourite language?

7.      What language would you like to study?

8.      What kind of projects have you done?

9.      Can you describe what Agile is?

10.  Hobbies and interests?

**Workday –Application Development & Software Engineer Internships**

I was interviewing for 2 roles at the same time so there was 1 interviewee from each department.

Some of the questions:

* What do you know about Workday?
* Tell us about one of your projects you worked on.

I explained in detail one of my individual projects I worked on outside of college but I probably should have spoken about a team project or one with better object oriented code because OO concepts were a very important concept to them.

I was then asked around 10 or 12 questions from a list they had.  Some examples are:

* Can you inherit from a private static class? If so, explain how it would be done.
* Explain the difference between an abstract class and an interface.
* Explain the difference between overriding and overloading.
* Off the top of your head, tell us about a time you used inheritance and why you used it.
* Explain the Java keywords assert, super, protected.

I was then asked to write an algorithm to reverse a string on the whiteboard so first I wrote it using iteration and then recursion.  They then said how could it be improved so I used a local StringBuilder instead of a private one.  They seemed happy with it and said it doesn't need to be improved any further.

My advice would be to learn and understand a lot of object oriented concepts in detail because I couldn't fully answer enough of the quiz-style questions and that might be why I didn't get this internship.

**Workday - Software Applications Engineer Internship**

1. Why Workday?

2. What do you know about workday?

3. Do you know anything about the software we use?

4. Tell me about your projects, what did you use and why?

5. What programming language is your favourite? What do you not like about that language?

6. Disadvantage of using XML?

7. Tell me about UML

8. Have you used any other programming languages? How do they compare

There were a few other questions, best thing to do is to know OOP concepts and be willing to go up to the whiteboard to explain how you did certain things in your project. Also know UML well.

**Workday – Application Development Engineer**

1. Tell me about Workday.

2. What projects you did in college - Really in-depth, code examples, UML, whiteboarding.

3. Write a program that will accept a number from a user and output whether it is prime or not.

4. Demonstrate using class diagrams how inheritance works, discuss whether methods are abstract, explain why.

5. OOP concepts, abstraction, polymorphism. Each one, examples of how they're implemented.

6. Difference between interface and abstract class.

7. Do I have any questions.

**Workday - UI Engineer**

* They wanted to know about my previous web design work, languages used, skills gained, etc.
* What made me decide to start my own web design business.
* What I learned from dealing with clients, their specifications, rude clients, unrealistic expectations, etc.
* Projects in college weren't focused on much because of my out of college work but they still wanted to know basics, languages used, skills gained, etc. If you have no outside college.
* Then they wanted me to draw the architecture of an app I made, I suggested a class diagram and that was fine. UML seemed to be a really important subject to Workday.
* Did I use any google dev tools, like the console on Chrome, in my web design work? How and why did I use it?
* Agile development was a key topic as well; however, it was casually mentioned throughout rather than one direct question.
* What I knew about Workday, the creators, products they offer, etc.
* Watching the below video really helped me understand the agile development process they were after, and mentioning the featured developer's name scored some brownie points.

<https://www.youtube.com/watch?v=VLofbpQG16M>

**Workday interview questions**

* 5 Java fundamentals and asked me to write some code on the whiteboard
* Team projects and how I got on?
* Tell me about your college projects?
* The biggest difficulties I encountered when writing code and how I solved. Also if there were any problems with team members, did I approach them or talk to lectures etc.

The biggest subject with both interviews was about my past projects. What I've done, in what language, difficulties and problem solving. Other than that was my skills in Java, Linux and databases. Also an interesting question that came up was; What subjects in my studies did I find the least enjoyable.

**Workday Software Engineer**

For this role I was interviewed by Dave Doran. The interview went really well. This interview lasted about 45 - 50 mins.

1. Why do want to work for Workday?
2. Describe some good coding conventions.
3. Describe the projects you’ve worked on.
4. Based on these projects, detail the software development process you used and if it worked or not. (Speak about the waterfall lifecycle and agile development).
5. Describe why agile development is better than other software development methologies.
6. For the Fibonacci sequence Fn = Fn-1 + Fn-2. Solve this problem both iteratively and recursively.
7. He was surprised that I was able to write the code for question 6 on the whiteboard and the asked me how the JVM optimises a recursive method compared to doing it iteratively. He was more so trying to test me on this one.
8. Based on your previous job as a network administrator draw how a firewall works using TCP/IP Stack.
9. There’s one main character in a game and a bunch of enemies. The main character can attack the enemies and the enemies can attack the character. Draw the Class Diagram to represent this.

**Workday UI Engineer**

I was interviewed by David McGuinness and one of his senior UI Engineers. The interview went really well. The questions which he asked weren’t difficult and he was really easy to talk to. Below are the questions I was asked. The interview lasted 30 minutes in total.

1. What do you know about Workday and the product which we produce?
2. Why do you want to work for Workday?
3. Describe some of the projects in detail you’ve worked on.
4. What kind of projects do you have on Github?
5. For one of my projects I had to draw a full Class Diagram on the whiteboard.
6. What’s your favourite subject in college?
7. How would you deal with team members if they’re not pulling their weight.

The interview went excellent and I was able to talk a lot about the company ethos and it’s product which he was impressed with. The class diagram was also perfect as I had studied for this question beforehand.

**Workday – interview**

* These are all the questions I remember being asked:
* How did you get into computers?
* What was your first experience with coding/programming etc.?
* What kind of games do you like?
* Tell me about your second year project.
* Did you have any problems with teams?
* Biggest challenge in coding.
* Tell me about your first year project.
* Why did you decide to study computers?
* No experience outside college?
* Do you have experience with linux command line?  
  Any experience using an IDE that is not netbeans e.g. eclipse/intellij?
* Do you prefer front-end or back-end development?
* Do you have any questions?

**Workday –**software engineering

In general I found my interview very good. Interview was out of two parts , technical and cultural.

During the technical part I was asked general questions from programming perspective, the questions was like

* Talk about object orientated programming principles
* Question on cloud computing
* Draw the architecture of one of mine projects
* SQL/Database question
* General talk about what technologies I used in projects and how I found the
* How I deal with new technologies

And during the cultural interview I was interviewed mostly from my personality perspective.

Questions was like:

* Tell me about your self
* Why I decided to do computing course
* How I keep myself up to date in IT world
* How many team project I did , and how I participating them
* Any difficulties in team projects
* Work experience

**Workday – interview questions:**

* ​Tell me about some java principles.
* Tell me about inheritance.
* What other principle does inheritance link into.
* Tell me about your projects.
* What is 3rd normalization in regards to Databases.
* How did you distribute your source code while working in team projects.
* Went on to ask me about my achievements listed on my CV.
* Asked me about my extra curricular Work.
* Have you done any testing at all? Even J Unit testing?

**Workday - Software Development and UI)**

The first thing they asked was to detail what I knew about WorkDay and why I wanted to work there.

Then they asked to detail in normal terms some of my projects. Talk about what they do in plain English, rather than speaking about the code that makes them up. This occupied around 5-10 mins of the interview.

After that, they asked me to draw on the whiteboard how the Class diagram would have looked for my project.

Then they had me draw a class diagram for a bank and to detail the functions, including transaction, account type (debit account, credit account) and to explain how constraints would work on the system, e.g. how I could account for a limit on how much a customer can withdraw in a single day, How I would add up the number of small withdrawals in a day to check if the user was hitting the limit etc and how I could handle accounts that could overdraft and those that couldn't. They'd ask for new bits to be added as I go and this part of the interview made up the bulk of the time.

In the process of drawing the diagram, they asked to consider the principles of inheritance and abstraction, explain them and show them where it could be used in that particular diagram.

They asked a few small questions such as, How I could add to an SQL table if I wanted to expand it later on. (they were basically checking my knowledge of table joins, primary and foreign keys).

**Workday**

What do you know about Workday?"

"Why did you choose a computing degree and not another degree such as finance or hr?"

"What are the fundamentals of OOP?" (Inheritance, Abstraction and Polymorphism)

"What is the difference between a class and an instantiated class?"

"Where in memory is an instantiated class allocated in the JVM? Heap or Stack?"

"Are you familiar with the 'finalize' method in Java?"

"Are you familiar with the term Deadlock?/Explain Deadlock."

"Can you tell us about a problem you had in a project and what you learned from it?/What would you do differently?"

"What was your favourite project in college? Why?"

"What was the largest technical problem you encountered in a project and how did you solve it?"

"What is your favourite subject in college? Why? What did you learn from it?"

"What is your least favourite subject in college? Why?"

For the favourite subject questions, they were expecting an actual subject e.g. networking, programming instead of individual modules like "Team Project" or "Advanced Internet Technologies". They also lead on the questions, so when I said "Advanced Internet Technologies" they asked me about the technologies I learned.

Since I had gaming on my CV, they asked me "If you want to do gaming after college, why do you want to work at Workday?"

I found it surprising that I had no whiteboard questions, but I think people applying for the Software Engineering position just weren't asked about it?

**Zendesk\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

3 separate interviews: 30 mins each

First Interview:

1. Tell me about yourself
2. Tell me about a team project you worked on in a team
3. Do you have any questions for me?

Second Interview -  Coding Interview:

1. Design a FizzBuzz application
2. Is there any way that your code could be made more efficient?

Third Interview:

1. Have you worked with mobile at all?
2. Have you any questions?