

## Placement Advert/Gap Analysis:

Gaps have been identified in **red (-)**. Requirements achieved are identified in **green (+)**.

### Software engineering program – JP Morgan Chase

Requirements:

- Computer Science and/or Engineering degrees are preferred while other degree subjects may be considered  
**+Computer Science degree, therefore, no gap.**
- Strong interpersonal and communication skills  
**+Hindu Society charity officer, Customer Team Assistant at Co-op, therefore no gap**
- Ability to thrive in a fast-paced, collaborative environment  
**+Customer Team Assistant at Co-op, therefore no gap**
- Exceptional problem-solving ability  
**-Would need working on, will complete all CS2004 algorithms lab sheets.**
- A well-rounded academic background is important — a 2:1 Bachelor's degree (or equivalent) in your undergraduate degree is preferred; you should be available to start on the Full-time Software Engineer Program in either September 2022 or March 2023.
- Knowledge of programming languages (e.g., Python, Javascript, Java, C++, C#), databases, data structures, and algorithms  
**+Have worked with Java for the first year of course and Python in A-Level Computer Science**  
**-No knowledge of Javascript, C++, C#. Can learn one of these using Udemy.**

### Citi - Technology Application Development-Placement 2020

Requirements:

- Are studying a degree that allows a industrial placement, or have graduated
- You have or due to receive a 2:1 or equivalent in any degree discipline
- You achieved a minimum of 96 UCAS points\*  
**+Over 96 UCAS points**
- You can demonstrate a passion for Technology- In your application please list all technologies and programming languages that you have experience with  
**+Have worked with Finch Robots using Java.**  
**-Would need more experience coding. CS2001 module implementation would help.**
- You have strong evidence of project management, leadership, teamwork, and communication skills

+Have worked in a group efficiently showing leadership, teamwork and communication skills for First year group project.

-CS2001 module group work would help.

- You are committed to personal growth and career development, and a strong desire to be successful in a team environment

### **Intel Corporation UK (Ltd) - Software Engineer - Smart Applications Intern 2020**

Requirements:

- Good software skills (C/C++)

-Have not learned any of these languages, should learn independently using Udemey.

- Understanding of hardware concepts

+Fair knowledge from A-Level Computer Science and Logic and Computation Module Last year

- Thirst for learning and good self-starter

+First year grades show thirst for learning

- Loves working as part of a team, with good communication skills

+Great experience working as a team at Co-op food retailer

### **Plan of Action:**

For my plan of action, I have decided to set 2 targets for the year to allow me to develop my skillsets and make me more employable. I have decided to limit my targets to two as I feel if I had any more, I may not be able to achieve these targets as well as I would like.

The first target I would like to set myself is learning a new programming language. I would like to learn C# as this is commonly looked for by many employers in the job descriptions. Learning C# would add another language to my arsenal which would make me more versatile and open up my options in terms of the different jobs I would be qualified for. The way I would achieve this target is by undergoing a Udemey course on C#. Using Udemey would allow me to go at my own pace and work around my university schedule so it does not clash with any revision time.

My second target would be to work more on my Java programming. I feel I learned a lot last year in Java, but I would need to be more competent at it if I was to be considered for a programmer role. In order to achieve this target, I would have to complete all CS2004 lab sheets and do my own intensive research on different functions and algorithms in Java. For example, I would like to learn how to incorporate threading within my solutions to improve the efficiency of the performance of the implementation.

