

Introduction to Seminar

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What is this Seminar About?

- **Resumes**
- **Behavioral**
- **Job Hunting advice**
- Technical interviews preparation
- Mock Interviews

Tips to succeed

- Practice
- Learn & review necessary materials
- Do mock interviews with friends
- **Write** out the solutions not type them

Resume, Job Hunting, and Behavior during Interviews

Looking for places to apply?

<http://www.intern.supply/>

What do Recruiters look for?

- **Experience**
- **Culture Fit/Communication Skills**
- Analytical Skills
- Coding Skills
- Technical Knowledge/Fundamentals

Weight of each category depends on company.

Resume Design

- (Usually) One Page Rule
- Order: Experience -> Education -> Everything else
- Two Columns vs One Column
- Coursework, Work Experience, Side Projects
- Keep only what matters
- Recruiters only spend 10 seconds on resume

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EDUCATION

CORNELL UNIVERSITY

MENG IN COMPUTER SCIENCE
Expected Dec 2014 | Ithaca, NY
Cum. GPA: N/A

BS IN COMPUTER SCIENCE

Expected May 2014 | Ithaca, NY
Conc. in Software Engineering
College of Engineering
Dean's List (All Semesters)
Cum. GPA: 3.92 / 4.0
Major GPA: 3.94 / 4.0

LA MARTINIÈRE FOR BOYS

Grad. May 2011 | Kolkata, India

LINKS

GitHub://deedydas
LinkedIn://debaghyadas
YouTube://DeedyDash007
Twitter://@debaghya_das
Quora://Debaghya-Das

COURSEWORK

GRADUATE

Advanced Machine Learning
Open Source Software Engineering
Advanced Interactive Graphics
Compilers + Practicum
Cloud Computing

UNDERGRADUATE

Information Retrieval
Operating Systems
Artificial Intelligence + Practicum
Functional Programming
Computer Graphics + Practicum
(Research Asst. & Teaching Asst.)
Unix Tools and Scripting

SKILLS

PROGRAMMING

Over 5000 lines:
Java • Shell • JavaScript • Matlab
OCaml • Python • Rails • Elixir
Over 1000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

COURSERA | KPCB FELLOW + SOFTWARE ENGINEERING INTERN

Expected June 2014 – Sep 2014 | Mountain View, CA
• 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

GOOGLE | SOFTWARE ENGINEERING INTERN

May 2013 – Aug 2013 | Mountain View, CA

- Worked on the YouTube Captions team. In primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

PHABRICATOR | OPEN SOURCE CONTRIBUTOR + TEAM LEADER

Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY

- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator, the entire Lipsum application, ported Tokens to different apps, fixed many bugs and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

RESEARCH

CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with Ashesh Jain and Prof Ashutosh Saxena to create PlanIt, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 – May 2013 | Ithaca, NY

Lead the development of QuickTongue, the first ever breakthrough tongue-controlled game with Prof Sam Tilsen to aid in Linguistics research. Publication submitted.

AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	2 nd most points	Google Code Jam, Qualification Round
2014	1 st /50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7 th /120	CS 3410 Cache Race Bot Tournament
2012	2 nd /150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist
2010	National	Comp. Soc. of India's National Programming Contest

SOCIETIES

2014	top 12%/16	Tau Beta Pi Engineering Honor Society
2014	National	The Global Leadership and Education Forum (tGEF)
2012	National	Golden Key International Honor Society
2012	National	National Society of Collegiate Scholars

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EDUCATION

THE WHARTON SCHOOL, UNIVERSITY OF PENNSYLVANIA

Philadelphia, PA

Master of Business Administration Candidate: Major in Marketing and Entrepreneurship

2009-2011

- Wharton Ventures (Early stage VC fund), Director: One of eight students selected from 150+ applicants to join WV, which sources deals, performs due diligence, and analyzes tech and healthcare investments for deals of \$100k - \$3 million.
- Chair, Wharton Yearbook (2009 – 2011): Helped re-launch Wharton's yearbook in 2010 and publish it in just 4 months.
- Wharton Venture Capital Competition (Finalist). Elected social chair of cohort of 70 students.

UNIVERSITY OF PENNSYLVANIA

Philadelphia, PA

Master of Science and Engineering, Computer and Information Science

2003-2005

Bachelor of Science and Engineering, Major in Computer Science Engineering, Minor in Mathematics

2000-2005

- Created and independently taught Computer Science course, the first undergraduate to have earned permission to do so.

EXPERIENCE

CAREERCUP.COM

Seattle, WA

Founder and CEO

2005-Present

- Founded CareerCup to help candidates prepare for technical interviews through an online forum, book, video and coaching.
- Built company to \$Xk in revenue and \$Yk in annual profit.
- Negotiated partnerships with websites such as Glassdoor.com, SoftwareInterview.com, and Technical-Interview.com.

SEATTLE ANTI-FREEZE

Seattle, WA

Founder and Co-CEO

2007-Present

- Founded SAF to organize social events for 4000 young professionals, and grew it to \$Xk/year revenue and \$Yk/year profit.
- Landed article on front page of Seattle P.I.'s Lifestyle section (<http://xrl.us/safpi>) within 3 months of company launch.

KEENSCREEN

Seattle, WA

Vice President of Engineering

2008-2009

- Led re-architecture of online advertising product, enabling company to ship product in 1/3rd of previously estimated time.
- Prepared, with CEO, projected cash-flow statements for three years and cut expected costs by 30%.
- Hired and managed remote testing team, design team, and assistant.

GOOGLE

Kirkland, WA

Software Engineer

2005-2008

- Led successful integration of Google Talk music features with partner team and helped redesign product for better usability.
- Designed and built Google Docs feature requiring collaboration with three internal teams and four outside companies.
- Directed recruiting efforts for University of Pennsylvania, recruiting 20 candidates and earning award for being in top 5%.

APPLE COMPUTER

Cupertino, CA

Software Engineer, Intern

Summer 2004

- Designed new approach for searching iChat files, enabling rapid searching and backwards compatibility.

MICROSOFT CORPORATION

Redmond, WA

Software Design Engineer, Intern

Summers 2001 - 2003

- Implemented features for developer products with millions of users in 50% of estimated time.

ADDITIONAL INFORMATION

- Author, The Google Resume: How to Prepare for a Career and Land a Job at Apple, Microsoft, Google or any Top Tech Company (2011): To be published by John Wiley & Sons, Inc. in April 2011.
- Author, Cracking the Coding Interview (2008): Wrote book about how to prepare for and master programming interviews. Available on Amazon.com and BarnesAndNoble.com. ISBN 978-1451578270.
- Instructor, University of Washington (2006, 2008): Taught two Computer Science courses, earning rating of 4.8 / 5.0.

Getting the right experience

- Take classes with lots of coding projects
- Internships early on in college
- **Side Projects/Hackathons**
- Research
- Challenge yourself

Comments on behavior

Correctly answering the coding question isn't everything. Interviewers care about heavily and observe your behavior too!

Also carries a lot of weight when you don't know the optimal solution.

Approaching the Behavioral

- Behavioral should be a conversation
- Cultural Fit Assessment
- Get to know the company
- Be confident and genuine!

Pure Behavioral Interview

- S.T.A.R Method is very helpful
- Make a list of common Q/A's before interview:
- Rely on experiences from clubs, classes, projects (know your own resume!)

Situation or Task	Describe the situation that you were in or the task that you needed to accomplish. You must describe a specific event or situation, not a generalized description of what you have done in the past. Be sure to give enough detail for the interviewer to understand. This situation can be from a previous job, from a volunteer experience, or any relevant event.
Action you took	Describe the action you took and be sure to keep the focus on you. Even if you are discussing a group project or effort, describe what you did -- not the efforts of the team. Don't tell what you might do, tell what you did.
Results you achieved	What happened? How did the event end? What did you accomplish? What did you learn?

Example 1

Question: Tell me about yourself.

Answer: I think the best way to describe myself would be that I'm a passionate, dedicated, and curious individual who thrives off working with talented individuals and developing new products while learning new things every day. Perhaps the best way to let you know who I am is to share with you a quick experience I had. I was recently in a Microsoft coding challenge event here at the university and as I walked in I realized that I was one of the only freshman in the room. When we had to select teams I ended up with two incredibly smart seniors in Computer Science who had way more experience and knowledge than I currently did. I admit, it was intimidating at first wondering what they would think of me as their teammate if I didn't know how to implement some complex algorithm that to them was trivial. When the competition started I found myself only able to complete a few of the easier questions and struggled with the more difficult ones meant for upperclassmen. I decided to ask my teammates how to approach these problems and they eagerly explained to me the concepts of HashMaps and Dynamic Programming and how to implement them to solve this problem. As a quick learner I worked alongside one of my teammates and we both managed to implement these structures and quickly solve one of the most difficult problems in the set. I was incredibly proud of myself and appreciated my ability to learn on the spot and adapt to any situation I was placed in by working alongside and learning from others.

Example 2

Question: Why do you want to intern for us?

Answer: The main reason I want to intern for Boeing is that the company's' main interests and goals aligns perfectly with why I love and chose to become an engineer: to challenge the notion of the impossible and push the limits in areas such as aviation, space for example the new advanced space access, and also defense with the new unmanned Little Bird Helicopter Drone. Boeing is comprised of incredibly talented and creative individuals who share similar ideals as me and working alongside them will allow me to truly display my passion and talent and grow as an individual and student. I admire everything Boeing has done and hope to contribute to the company and their goals as an engineering intern.

Sample questions

- Tell me about the most significant accomplishment in your life. What challenges did you face? What did you do? How did it impact your organization:
- Why do you want to intern for us?
- Describe to me a time you were faced with a problem and how you dealt with it.
- Who are you?
- What's your biggest weakness?
- What was the most technically challenging problem you have had to solve?

Questions to Ask (Do's)

- During:
 - Any **clarifying** questions
 - Explain components and approach to solution
 - Check if the interviewer is following along
 - Be **specific** not arrogant
 - **Listen** to the interviewer's feedback
- After:
 - Is there anything I can **improve** in my code?
 - Ask questions **specific** to the company (future, platform, etc.)
 - Ask questions that make the recruiter think
 - *Genuine*: Do you see yourself at XYZ in five years?
 - *Interest*: Could you tell me more about XYZ and how it works?
 - *Insightful*: Why did the company choose this programming language?

Questions to Ask (Dont's)

- During:
 - Be arrogant or quiet
 - Dive into coding without explaining approach
 - Ignore interviewer's feedback
 - Ask how to solve the problem (hints are okay)
- After:
 - End the call immediately
 - Say you have no questions to ask
 - Ask if you passed

What you should do after this class:

1. Edit your resume (peer review)
2. List of behavioral questions and answers
3. Think of interesting questions to ask interviewers
4. Practice!