DATA
SCIENCE
CLUB

CAREER WORKSHOP

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Goals

- Customize your resume with the role in mind
  - e.g. Different resumes for data science vs back end software engineering vs research
- Look at commonalities in job descriptions you are interested in, and use similar wording
- Demonstrate knowledge that is typically only gained through ideal experiences
- Find a way to be visible in a sea of candidates
  - Connections and referrals go a long way.
  - The more crowded the field the more important it is to have people vouch for you.
  - Recruiters don't have time to look through everyone, referrals make it easy for them too

Tips - Software Engineering

- Roles with adjacent titles get significantly less applicants, e.g. "data engineer" even though data engineering is also software engineering
- Conversely, ML roles get significantly more applicants
- For interns, most big tech companies are okay with generalists
- At some point, you're expected to specialize (sometimes during internship)
- Experiences at companies > Experience working in organized groups > solo projects > Experience from classes

Tips - ML / Research

- ML roles are very popular right now, ML knowledge isn't enough
- Software engineering internships would help too
- Usually, publications/graduate school, but there are ways around this
- Reimplementing research papers, working public code repositories is impressive
- Pivoting from software engineering, or even taking ML software engineering roles is often an easier way into ML engineering

Tips - Data Science/Analysis

- "Data analyst" is much more accessible than "Data scientist"
- LARGE variability in what data scientist role entails, look into it by org
- Demonstrate a large breadth of knowledge, there's a ton to know in DS
    - Programming
    - Statistics/Probability/Math
    - Machine learning
- Again, software engineering internships would help too

Resume Guidelines

- 1 page, name large on top, incl. contact info, email, github and LinkedIn
- Education section first, with graduation date
- Include skills section
- No personal objective/summary/story text
- Bold important information that is easy to miss if not captured in titles
- Optimize for speed readability + Automatic text detection
- Experience in chronological order, include club and experiences if needed
- Make clear the tools/knowledge you used, and the impact of the work
- Use numbers where possible to quantify the importance of your work

Resume Examples

- Al   (Software engineering/ML)
- DK   (ML engineering/research)
- Noelani   (Data science)

Peer Review

- Groups of 2
- First take only 10 seconds to read through the other person's resume, and state your takeaways
- Repeat for other person
- This is to put into perspective what a recruiter skimming through resumes would see
- Afterwards, give a full read through and give each other advice on what to improve on

Interviewing

- At this stage, the outcome is almost completely in your hands
- Finding confidence in yourself and your abilities improves performance
- Showcase yourself as someone who would be great to work with
- Most behavioral questions revolve around your previous experiences
- Look at a list of behavioral questions. For each common type of behavioral question, identify which experience you would talk about
- Think about what interviewers would find impressive about what you've done before
- Do some preliminary research on your interviewers, there is usually some time for you to ask questions so this is an opportunity to demonstrate interest in the company.
- Expect questions about CS topics you listed in your resume
- Leetcode

Q & A