SUMMER INTERNSHIPS

Jennifer Hill, Capital One
Deb Agarwal, Lawrence Berkeley Lab
Summer Internships

- Credit risk
- Fraud detection
- Digital experience
- Marketing & Brand strategies
- Investments

What we do

- Human-to-machine interactions
- Speech/Image/Natural Language
- Predictive & detective
- Data visualization
A valuable venture for career development

Valuable work

- Address business problem with intelligent software solution
- Develop and test products and measure results
- Work with enormous data
- Present to executives

Development Support

- Supported by mentors, manager and teammates
- Training, networking and fun events
- Interaction with business leaders
- Experience culture before deeper commitment
Deb Agarwal
Lawrence Berkeley National Laboratory, DOE
Data Science and Technology Department Head

My Summer Internships
• IBM, Tucson, AZ
• General Motors, Milford Proving Ground
• IBM, Austin, TX
• Berkeley Lab

What I do
• Data science in support of earth science projects
• Data science research
A practical value to help start your career

• Experience for resume (+ papers)
• Try out potential career alternatives
  – Industry
  – National Laboratory
  – Academia
• Live in a different area
• Experience different work environments – research, product, etc
• Remember why you are in school
Starting the process of finding an internship

- Intern hiring windows – November – February
- Professors’ and advisors’ contacts
- Apply to large national programs
- Career center
- Network!
  - Conferences
  - Career fairs
  - Professional meet-ups
Preparing your application materials and yourself

- Get your web page up-to-date – highlight experience
  - link in a copy of your CV (get critiques)
- Create a LinkedIn page
- Do mock interviews
- Identify at least three references
- Develop and practice an “elevator pitch”
- If on a visa, know what paperwork is required
Exercise

Elevator Pitches

• Break into groups of 4-5 and have each person give their 60 second elevator pitch
• Spend time discussing techniques that were particularly effective
Example: CapitalOne hiring process

- Technical screen
- Coding challenge
- Business case
- Simulation
- Job fit
Putting Your Best Foot Forward in the Interview Process

Before the Interview
- Ask about the format of the interview
- Research the company/group/personnel

The Interview
- Show motivation and enthusiasm
- Ask clarifying questions
- Ask about potential projects
- Talk through as you answer technical/complicated questions
- Be ready to ask a few questions of each interviewer
- Ask about their decision timeline

After the interview
- Send thank you notes to the folks you met
- Follow-up in ~ 1 month
Interview Exercise

Mock Interviews

• Pair up and one person play the interviewer and the other the interviewee. Then switch roles.

• Format
  – 5 min questions
  – 3 min feedback
Now That You Got the Job, What’s Next?

Before the Start Date
– Ask what to prepare
– Agree start/end + any necessary time off

On the Job
– Do a good job
– Understand expectations of deliverables
– Keep your supervisor informed of your progress
– Interact with the people around you (learn the culture)
– Attend talks and seminars
– Work independently but don’t be afraid to ask for help
– Have fun
After the Job, What’s Next?

- Keep in touch with host, recruiters, etc.
- Ask about the hiring process for full time.
- Ask about the potential for returning next year.
- Develop a strong recommendation.
- Write a paper about the work.