SUMMER INTERNSHIPS

Carole-Jean Wu, Arizona State University
Puja Das, Apple
Carole-Jean Wu
Designing System and Processor Architecture for High Performance and Energy Efficiency

Assistant Professor, Arizona State University (2012 – present)
PhD, Princeton University (2012)
BS, Cornell University (2006)

Research topics
- Heterogeneity for performance acceleration and energy efficiency optimization
- Energy harvesting for emerging computing platforms
- Advanced processor and system cooling designs and energy management
About Carole

My Summer Internships

- Intel-SSG 2004, 2005 (Chandler AZ) → architecture
- IBM Research 2007 (Hawthorne, NY)
- Intel Labs 2008 (Hillsboro, OR)
- Google 2009 (Mountain View, CA) → Colleagues; ML
- Intel-VSSAD 2010-11 (Hudson, MA) → 2 MICRO papers; Intel Fellowship; Patent
Puja Das
Personalization and Large Scale Recommendation Systems for Apple Media Products

Senior Machine Learning Researcher, Apple Inc. (2014 – present)
PhD, University of Minnesota (2014)
MS, University of Iowa

Research topics
- Large Scale Recommendation Systems
- Online Convex Optimization for finance applications
- Multi-task Sparse Structure Learning
About Puja

Use the power of Machine Learning to discover content within a catalogue that is growing everyday

My Summer Internships

- IBM T.J. Watson Research Center, 2013
  - (Yorktown Heights, NY)
- IBM T.J. Watson Research Center, 2012
  - (Hawthorne, NY)
- eBay, Merchandising and Applied Research, 2011
A practical value to start up a career

• Be adventurous
• An excellent opportunity to try out different career alternatives
  – Industry vs. national labs vs. academia
• Live in different parts of the country
• Experience different work environment and work cultures
  – Research vs. product
  – Well-established companies vs. startup
• Diversify your experience
• Remember why you are in school
Start the process of finding an internship

• Summer internship hiring window
  – December – April
• Advisor’s contacts
• Professional meetings, e.g. conferences, Grad Cohort, GHC, etc.
• Career fairs
Prepare yourself and your application materials

• Update your professional webpage
  – Highlight experiences and skill sets
  – Link your GitHub or any other open source projects
  – Link in a copy of your CV (get critiques)
• 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 a 90-second elevator pitch
- Spend time discussing techniques that were particularly effective
Examples for summer internships

<table>
<thead>
<tr>
<th>Apple hiring process</th>
<th>Intel hiring process</th>
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<tbody>
<tr>
<td>• 2-4 technical interviews</td>
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<td>• <a href="https://www.apple.com/jobs/us/students.html">https://www.apple.com/jobs/us/students.html</a></td>
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Google & IBM Research hiring process
Put your best foot forward in the interview process

• Before the interview
  – Ask about the format of the interview
  – Research the company/group/personnel

• During the interview
  – Show motivation and enthusiasm
  – Ask clarifying questions
  – Ask about potential projects
  – Think out loud and talk through as you answer technical/complicated questions
  – Be ready to ask a few questions of each interviewer
  – About about the decision timeline

• After the interview
  – Send thank you notes to the folks you talked to or met
  – Follow up in 3-4 weeks
Now you got the job. What’s next?

• Before you start
  – Ask what to prepare
  – Agree on start/end dates

• 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 the host, the recruiters, etc.
- Ask about the hiring process for full-time positions
- Ask about the potential of returning next year
- Develop a strong recommendation
- When appropriate, continue the collaboration as you return to school
- Write a paper about the work
Acknowledgement

• Summer Internships from past grad cohort sessions
  – Jennifer Hill, Capital One
  – Deb Agarwal, Lawrence Berkeley Lab