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

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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

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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

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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

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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

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Examples for summer internships

Apple hiring process

- 2- 4 technical interviews
- https://www.apple.com/jobs/us/students.html

Intel hiring process

- 2-4 technical interviews

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

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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

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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

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