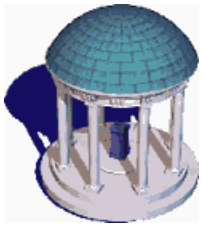


The UNIVERSITY *of* NORTH CAROLINA *at* CHAPEL HILL

Computer Science Open House

(Or why YOU should be a computer science major!)

Diane Pozefsky
Director of Undergraduate Studies
pozefsky at cs.unc.edu

http://cs.unc.edu/

Agenda

- Welcome
- Why Computer Science is Magic
- Meet the Seniors
- Awards
- Clubs and Activities
- Getting ready for the Real World
- Our department: a look under the hood

Department Chairman

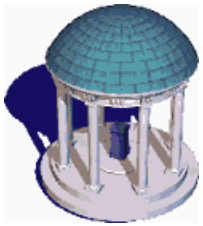
Kevin Jeffay
Gillian Cell Distinguished Professor
“The Big Kahuna”

Computer Science is Magic

Gary Bishop
Associate Chair for Academic Affairs
Enabling Technologies

What's Cool About *CS@Carolina*?

- Community
- Extra curricular activities
  - ACM programming contest
  - Clubs
  - Maze Day
  - Service learning
- Premiere Internships
  - IBM Extreme Blue
  - Explore Microsoft
  - Google "Experience"
- Study abroad in the UK & Singapore…



Meet the Seniors

Adam Aji

Dayton Ellwanger

Kammy Liu

Roman Rogowski

Awards

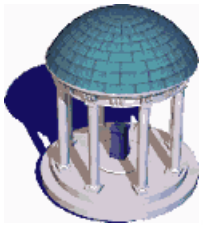
Weiss Award

Presented by Steve Weiss

Dunham Award

Clubs

- Pearl Hacks: Emily Newman (newmane at live.unc.edu)
- HackNC: Luke Tannenbaum (ltbaum at live.unc.edu)
- Game Development: Luke Tannenbaum
- Computer Science Club (CSC): Luke Tannenbaum
- Women in Computer Science (WICS): Taylor Howard (trhoward at live.unc.edu) and Marina Kashgarian (marina at live.unc.edu)
- Blacks and Latinax in Computer Science (BLiCS): Malik Jabati (mjabati at live.unc.edu)
- eSports: Joey Chau (joeychau at live.unc.edu) and Eugene Zhang (guanyuez at cs.unc.edu)
- Girls Who Code: Kaylee Llewellyn (kayleell at live.unc.edu)
- Carolina Tech Explorers: Neil Davis (carolinatechexplorers at gmail.com)
- Technology Without Borders: Stephanie Yu (skyu at med.unc.edu)
- Cybersecurity: Richard Lindermanis (rlindem at live.unc.edu)
- Entrepreneurship: Sifron Benjamin (sifronb at cs.unc.edu)
- Upsilon Pi Epsilon: Marc Pittinsky (marclane at live.unc.edu)



Our graduates go to

- Graduate school
- Law school
- Medical school
- Businesses of all types
  - Big, small
  - Startups, established
  - Local, national
  - Doing
    - Technology development
    - Information systems management
    - Consulting

JADE BARRICELLI

SENIOR ASSISTANT DIRECTOR OF CAREER SERVICES IN COMPUTER SCIENCE

- Manage the *Carolina to Career* program
- See students one-on-one to discuss:
  - Resumes
  - Cover letters
  - Jobs and Internships
  - Communicating with Employers
  - Preparing for Career Fairs
  - Managing Offers, Etc…

CAROLINA TO CAREER
- PROGRAMS THAT HELP YOU PREPARE

Tuesdays at 3:30pm
Topics covered this fall:

- Don't Get Left in the Dust-The Job and Internship Search Starts NOW!
- Top Employer Tips: How to ROCK IT at the Tech Fair
- How to Gain Resume Worthy Experience
- Behavioral Interviews Exposed
- Navigating Job & Internship Offers

- Scheduled periodically throughout the year on the 4th floor of Hanes Hall
- Google, Infusion, Kitware…
- Announcements made through Careers Listserv
- Sign up using Careerolina

- 90 minutes, hands-on resume lab in small groups
- Most Mondays at 5pm
- Sign up using the link found on cs.unc.edu/career

CAROLINA TO CAREER
- PROGRAMS THAT HELP YOU TO IDENTIFY OPPORTUNITIES

Employer sponsored events

- Company Info Sessions
- Tech Talks
- Lobby Tables
- Learn Over Lunch

- View hundreds of jobs and internships for CS students
- Apply for on-campus interviews
- Careers.unc.edu

- Spring networking and speed interview event
- Local employers looking for technical interns

Tech Fair
Over 50 Employers Hiring CS Students for Jobs and Internships
Friday, September 16
11-2pm
Great Hall, Student Union
Bit.ly/2016UNCTechFair
#TechFair
UNC STUDENT AFFAIRS
University Career Services
UNC DEPARTMENT OF COMPUTER SCIENCE

UNDER THE HOOD

CS@Carolina degrees

BS: “default” degree, enables… everything!

BA: enables you to better craft an interdisciplinary program of study

Minor: supplements another degree

BS/MS program: 2 degrees for an additional year

Curriculum Update

- Prereq requirements
- Will there ever be enough seats?
- Scheduling classes

Learning Contracts

- Why do we have them?
- What is included?
  - Internship, software engineering practicum, mentored research, independent study, honors thesis
- On the department site
- Schedule
  - before the semester begins
- Constraints
  - EE, no other requirements
  - max twice
- All learning contracts require student-produced deliverable

Internships

- Do not need to get credit
  - Do you want to use the hours? Spend the money?
  - Unless you have a visa need of course
- You find the internship and I approve or disprove
  - Equivalent to a 500-level course
  - Must be for pay
- Learning contract requirement has hard deadlines
- Summer course will be Summer Session X: 10 weeks

Research

- Find a prof or a topic
- Prof: go directly to him or her, do not pass my office
- Topic: come talk to me and I'll try to help you find a match
- Opportunities
  - Paid RA
  - Mentored research
- Individual or group, new or existing lab/project

Undergrad TA (aka LA)

- Did well in the course?
- Want to help others?

- Speak to the faculty member you want to work for
  - You know the faculty member
  - You see who is scheduled to teach
- Caveat: we get our budget very late (just before the semester starts)

- Will be creating an application form

Study Abroad

- All study abroad is good
- Two special programs
  - University College London (UCL): heart of London (recommend spring)
  - National University of Singapore: a different world
- Can do either semester or yearlong exchange
  - Satisfying CS requirements
  - Experiential Education

NUS CS Home

UCL CS Home

Study Abroad

- Pre-approvals for other universities
- No 401, 410, 411
- Only 2 courses

- Take courses that are special to the school!
- Take non-CS courses!

Honors Theses

- 2 semesters
  - Research: 691 Spring
  - Writing: 692 Writing
- 3.3
- Committee of 2
  - Paper: approved by adviser and second reader
  - Defense: attended by committee and department honors chair
  - Both must be completed by early April
  - Separate committee approves Highest Honors
- After that
  - CS Undergraduate Research Symposium
  - OUR Celebration of Undergraduate Research

Honors Program

- Adding honors courses every semester
- Honors contracts
  - Must be taking a course with the faculty member
  - Send them to me if unsure
- Graduate courses

BS/MS

- BS the same; MS the same
- Admission easier
  - No GRE
  - Names, not letters of recommendation
  - Transfer 9 credits instead of 6
    - Cannot count toward your BS
- No guaranteed support
  - We love BS/MS TAs, but we can't always afford them
- Typically apply end of junior year
- Senior year
  - Honors thesis or mentored research
  - Graduate level course
- Why?
  - Help you get the RA
  - Know what you are getting into

BOTTOM LINE: THE MORE YOU DO, THE BETTER IT IS