AAB Meeting

Adnan Darwiche January 28, 2019

Items

• Faculty Growth
• Student Enrollments
• MS of Engineering
• ABET Visit
• Undergraduate Student Relations
• Industrial Affiliates Program
• Quantum Computing Center

Faculty Growth

Faculty Growth

Faculty Growth
Currently: 38
Steady state: 45
This year: at least two positions
Areas of interest:
• Systems Security
• Human-Computer Interaction
• Quantum Computing
• AI

Student Enrollments
• Undergraduate Students: 1239 (548 in 2008)
  • Over enrolled by ~50% last year (~90 students)
  • Amounts to ~25% of the freshman over enrollment at UCLA
• Will be more conservative this year
• Graduate Students: 479 (343 in
Our PhD program is increasing, ~50 new students last year (new faculty)
Our MS program will shrink (targeting ~20% fewer students this year)

Master of Engineering
Approved by FEC
Earliest start is Fall 2020
Steady state: 200 students (in four years from start)
Managed by the school of engineering (like MSOL)
5 courses technical courses (2 required, 3 electives) + 3 business/management courses +
substantial capstone project
- CS expects ~40 students in steady state
- Self supporting program

Undergraduate Student Relations
- Student organizations
  - ACM: 500+ members, 80+ officers
  - UPE: 200+ members, 48 officers
- Award winning, extensive activities
- Improved relations with department
  - More frequent meetings with department chair
  - Yearly presentations to faculty (started
last spring)

- **Special mentoring events:**
- **ACM AI subgroup (12 officers) met with AI faculty on 11/29**

**Officers**

**President** ([president@upe.seas.ucla.edu](mailto:president@upe.seas.ucla.edu))

**Internal Vice President**

**Nathan Zhang** Computer Science B.S.
**Austin Guo** Computer Science and Engineering B.S.

**Secretary**

**External Vice President**

**Emily Wang** Linguistics and Computer Science B.A.
**Jai Srivastav** Computer Science and Engineering B.S.

**Treasurer**

**Historian**

**Nicole Wong** Computer Science B.S.
**Derek Chu** Computer Science B.S.

**Historian**

**Lab Manager**

**Upsilon Pi Epsilon**

**Jonathan Quach** Linguistics and Computer Science B.A.
**Allen Miyazawa** Computer Science B.S.

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**Corporate Director**
Mentorship Chair

Jai Srivastav Computer Science and Engineering B.S.
Karen Li Computer Science B.S.

Mentorship Chair
Mentorship Chair

Devan Dutta Computer Science B.S.
Daniel Li Computer Science B.S.

Tutoring Chair
Tutoring Chair

Kevin Hsieh Computer Science B.S.
Matthew Wong Computer Science B.S.

Mentorship Director
Mentorship Director

Yun Xu Computer Science B.S.
James Mullen Computer Science B.S.

Yvonne Chen
Nathan Yang
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Adit Deshpande  President of AI
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Jeffrey Zhao  President of ICPC
       President of Hack

Akshara s.  President of Cyber
Judy Kim
CJ Ordog
       Co-President of Studio
       Co-President of Studio

Caroline Quigg
Caroline Quigg fs
Arpi Boshlikyan
Arpi Beshlikyan
John Stucky
John Stucky  President of Teach LA
       President of ACM-W
       President of Design

Other CS Student Groups
• DevX (http://ucladevx.com)
• Creative Labs (https://uclacreatives.github.io)
• Bruin Entrepreneurs (http://www.bruinentrepreneurs.org)
• Product Space (https://www.productspace.org)
• LAHacks (https://lahacks.com)

Planning a meeting with the leadership of all student groups in Spring
Thanks to Austin Guo (UPE, IVP)

Our Undergraduates:
The Goldmine!

• We compete with tier-1 universities
for undergraduate students
• Think beyond graduate students for research
• The top 10% (retreat session: fostering academic & research paths)
  • About 125 students
  • Skill, exposure, perspective & experience
  • Need to keep the best of these or guide them to academic careers
  • Ideas being discussed: Honors Program, Undergraduate Research Seminar, Fast PhD Track

Industrial Affiliates
• Vice Chair: Paul Eggert
• Currently reviewing program and
looking into improving interactions with affiliates (report cards)

CS Affiliate Class Faculty Liaison
1 Blizzard Blue Demetri Terzopoulos
2 Bloomberg Blue Milos Ercegovac
3 Facebook Blue Milos Ercegovac
4 Google Blue John Cho
5 Green Hills Software Blue Paul Eggert
6 KPMG LLP Blue Milos Ercegovac
7 Murata Manufacturing Co., Ltd. Gold Stefano Soatto
8 Northrop Grumman Blue Mario Gerla
9 Qualcomm Blue Jens Palsberg
10 Samsung Blue Jason Cong
11 Sandia National Laboratories Blue Peter Reiher
12 Strategic Global Advisors Blue Paul Eggert
13 Symantec Blue Rich Korf
14 Taboola Blue Paul Eggert
15 Teradata Blue Carlos Zaniolo
16 Uber Blue Mario Gerla
17 ViaSat Blue Lixia Zhang

Quantum Computing
• New QC Center at UCLA:
• Schools of Engineering and Physical
Sciences

- Interim director: Kang Wang (EE)
- Searching for permanent director
- Initiative to create a PhD program in QC at campus level
- Campus-level seminar series on QC (organized by Jason Cong) (first speaker is Fred Chong from UC)
- New CS course, Spring 2019:
  - Quantum Programming (Jens Palsberg)
  - Multi-billion $$ investment at the national level:
    - NSF incentives to hire in QC

Thank You