CRA-E Undergraduate Research Faculty Mentoring Award

July 2016
CRA-E’s mission is to address society’s need for a continuous supply of talented and well-educated computing researchers.

cra.org/crae
What We Do

• Studies on the “pipeline” of domestic students pursuing research and graduate school
• Conquer (http://conquer.cra.org/)
• Recognize excellence in support of the research pipeline
  – CRA Undergraduate Research Award
  – CRA-E Graduate Fellows Program
  – CRA-E Undergraduate Research Faculty Mentoring Award
Welcome! This site provides resources for undergraduate students, interested in research, graduate school, and research careers in computer science. It also provides resources for faculty mentors, looking to engage and advise undergraduates in research and prepare them for graduate school in computing fields.

Faculty  Students

Conquer is a project of CRA-E in collaboration with CRA, CRA-W, CCC, NCWIT and CDC.
CRA Outstanding Undergraduate Researcher Award

- Recognizes excellent undergraduate research
  - Honorable mentions are meaningful to students
- Nomination process is pretty easy
  - Chair/head certification letter
  - Two recommendation letters
  - Describe research the students has done and research potential
- Nominations due **October 24, 2016**
CRA-E Graduate Fellows Program

- Two graduate students participate in CRA-E activities
- Provides leadership and learning opportunities
- Current Fellows
  - Keith Feldman (Notre Dame)
  - Max Grossman (Rice University)
- Nominations due January 30, 2017
CRA-E Undergraduate Research Faculty Mentoring Award

Recognizes faculty who provide exceptional
• mentorship and research experiences for undergraduates
• guidance on admission and matriculation to research-focused graduate programs

Nancy Amato (Texas A&M), 2016 Chair
Barbara Ryder (Virginia Tech), 2017 Chair

Nominations due **November 28, 2016**
Keys to success

• Early identification of promising students
• Build aspirations and provide individual encouragement
• Emphasize a work-life balance
• Provide ongoing advice about graduate school and help in the application process
Marie DesJardins, UMBC

Keys to success

• Engaging with students early
• Building teams in which senior students help mentor junior students
• Unconditional support and encouragement
• Stay in touch with mentees beyond their graduation and help them to become effective mentors
Judy Goldsmith, U of Kentucky

Keys to success

• Special attention to first-gen and URM students
• Find personalized ways to excite students about research
• Research seminar doubles as a mentoring experience
• Teach the importance of professional conduct and engagement