

UCLA

Posters

Title

Summer@CENS: a research internship program

Permalink

<https://escholarship.org/uc/item/1st5q4xw>

Authors

Kim, Karen
Uehara, Wesley
Guy, Richard
et al.

Publication Date

2009-05-12



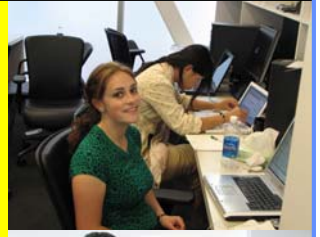
Summer@CENS: a research internship program

Karen Kim, Wesley Uehara, Richard Guy, Christine Borgman, Jeffrey Burke, Deborah Estrin, Becca Fenwick, Jeffrey Goldman, Eric Graham, William Kaiser, Joe Kim, Jennifer Jay, Christine Lee, Olmo Maldonado, Keith Mayoral, Mani Srivastava, Gaurav Sukhatme, John Wallace

CENS Summer High School & Undergraduate Scholars Programs



The **Summer High School & Undergraduate Scholars Programs**, affectionately referred to as our Summer@CENS Program, is the core of our Center educational pipeline. As a Center initiative, the Summer@CENS Research Scholars Program is designed to: a) Provide underrepresented US students the opportunity to conduct forefront research; b) Provide underrepresented US students with the opportunity to engage in a scientific community with their peers, graduate students and faculty members; and c) Increase the number of underrepresented US students who pursue graduate education in engineering and the physical sciences. In doing this, we strive to provide participants with insight into the world and the possibilities of academic research and graduate school.



KEY PROGRAMMATIC COMPONENTS

- Recruitment & Selection of Participants & Mentors
- Thematic Project Planning – Aligning Research & Education Initiatives
- Immersion Programs
 - Undergraduate Tech Camp– 2 day trip to James Reserve (CENS test-bed)
 - Tech Intro for High School Scholars & Ropes Course
 - Tutorials – 1 day intensive training/exposure activity
 - Lab Immersion – Introduction to host lab
- Professional Development Workshops
 - High School –Ethics Seminar, Faculty Showcase, Educational Pathways, Intern Rap
 - Undergraduate – Mentor Reflection, Ethics Seminar, Faculty Showcase, Post-graduation Opportunities, Intern Rap & GRE prep course
- Weekly Progress Meetings
- Social Activities
 - Culmination Events
 - Final Paper
 - Poster Session
 - Final Dinner
- One-on-one Meetings with Program Staff
- High School Road Show Challenge
- Summer@CENS Research Journal



2008 High School Demographics
 Gender: 4 Female (27%)
 Citizenship: 15 US Citizens (100%)
 Diversity: 6 Underrepresented Minority (40%)

2008 Undergraduate Demographics
 Gender: 4 Female & 8 Male
 Citizenship: 12 US Citizens
 Diversity: 4 Underrepresented Minority
 Majors: Biology, Computer Science, Computer Engineering, Electrical Engineering

The Summer@CENS Program takes a holistic approach at providing an opportunity to experience our academic research environment. Participants gain experience and the self-confidence to make informed choices regarding their academic pathways, as well as develop relationships with our Center and the research conducted. As a research initiative, the participating labs benefit both from the work that the interns conduct as well as the vested interest students develop to their work. As pointed out in the CENS Intel Scholars Program, local students continue to make progress on their projects through the academic year.

CENS Intel Scholars Program



The **CENS Intel Scholars Program**, is joint venture between the Center for Excellence In Engineering and Diversity (CEED), Henry Samueli School of Engineering & Applied Science and Intel. Through this program we are able to provide meaningful research experiences to UCLA students during the academic year; as well as, provide continued support to summer students that would like to continue to make progress on their research.

KEY PROGRAMMATIC COMPONENTS

- Professional Talks
 - Genevieve Bell, Intel Anthropologist
 - Giang Dao, Intel Research
 - Ajey Jacobs, Intel Research
 - Chi On Chui, Intel Research
 - Ben Greenstein, Intel Research
 - Lakshman Krishnamurthy, Intel Research
 - Lama Nachman, Intel Research
- Monthly Progress Report Meetings
- Final Poster Session
- Center Integration
 - Technical Seminars
 - CENS Coffee Hour
 - Annual Research Review
 - Ethics Discussion

The CENS Intel Scholars Program provides us with a wonderful opportunity to engage students with long-term research experiences which in turn further establishes their interest in research and assists in developing pathways to graduate school.

Graduated	Attending Graduate School	Returning to CENS (ugrad/grad)
19	13 (68%)	6