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Title: The Keyword: "Fifteen grants to support computing research for undergraduate women"

Office of Origin: Miscellaneous source

Description: An article from Google's internal news website "The Keyword" concerning the rewarding of fifteen grants to undergraduate women, including a UNM student. The student's award is marked half way down the page.

EDUCATION

Fifteen grants to support computing research for undergraduate women

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Published Aug 23, 2018

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Ayanna Howard, Professor and Chair of the School of Interactive Computing at the Georgia Institute of Technology, wouldn't be where she is today without her undergraduate research experiences at NASA's Jet Propulsion Laboratory (JPL). Growing up, Ayanna seemed to have a knack for math, puzzles, computers and gaming. By the time she started college, she had figured out her passion for robotics, and became a summer intern at JPL. The hands-on research experiences, the formation of a strong network of peers and advisers while at JPL helped motivate Ayanna to pursue her PhD and eventually a career in academia.

Studies show that undergraduate exposure to hands-on research experiences can profoundly influence a student's academic and career path. This is particularly true for women who are underrepresented in computing and who may see research careers as "not for them" because of the lack of support when pursuing research careers and pathways to computing.

To get more women involved in research and computing, we're providing 15 exploreCSR (Computer Science Research) grants to support universities running CS research-focused workshops for undergraduate women. These workshops, modeled on, and inspired by Carnegie Mellon University's, OurCS, will help undergraduate women to enhance their research skills, create a sense of community with peers and faculty, instill confidence to problem solve beyond the classroom, and inspire and motivate them toward careers in research.

Here are the recipients (including Ayanna Howard!) who collectively plan to reach ~1,200 undergraduate women in 2018-2019:

California State University, Long Beach
Shadnaz Asgari, Associate Professor and Chair
Computing to Change the World for the Better: A Research-Focused Workshop for Women

Georgia Institute of Technology
Ayanna Howard, Professor and Chair
Improving the Academic Matriculation of Undergraduate Women in Graduate Computing (I.AM.GradComputing) Workshop

Howard University
Latifa Jackson, Assistant Professor
Broadening Participation in Data Mining (BPDM) Workshop

Indiana University - Bloomington
Suzanne Menzel, Senior Lecturer
OurCS: Opportunities for Undergraduate Research in Computer Science

Louisiana Tech University
Benjamin Drozdenko, Assistant Professor
Cyber Research for Empowering Women Experimenters (CREWE)

Michigan Technological University
Jean Mayo, Associate Professor
Exploring Computer Science Research

The University of Texas at El Paso
Martine Ceberio, Associate Professor
Building Pathways to Graduate School as a Way of Recruiting and Retaining Undergraduate Female Students in Computing

University of Maine, Orono
Penny Rheingans, Director, School of Computing and Information Science
ResearchME: Maine Research Focused Workshops and Mentor Networks

University of Maryland, Baltimore County
Danyelle Ireland, Associate Director, Center for Women in Technology
The CS-Impact Workshop Series: Exploring Opportunities for Undergraduate Computer Science Research & Graduate study

University of Michigan
Rada Mihalcea, Professor and Co-Director Girls Encoded
Building a Diverse Research Community: Introducing Women to Computer Science Research

University of Minnesota Twin Cities
Maria Gini, Professor
Exposing students to undergraduate research opportunities, while guiding and mentoring them through the process

University of New Mexico
Lydia Tapia, Associate Professor
Becoming a Robot Guru Workshop

University of Pennsylvania
Chris Callison-Burch, Associate Professor
SPUR WOMEN: Support and Promote Undergraduate Research for Women

University of Puerto Rico, Mayaguez
Nayda G. Santiago, Associate Professor
Increasing Hispanic Women participation in Undergraduate Computing Research

University of Washington
Richard Ladner, Professor Emeritus
OurCS@UW + AccessComputing

The selected group of grantees represent a diverse mosaic of faculty and institutions that brings a clear focus on cultivating and retaining a "critical mass" of women in computing, and a commitment to exposing undergraduate women in computing to foundational research training. As the workshops take flight in the new school year, we hope to share updates on each workshops' progress and results. ◾

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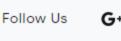Happy CSEdWeek! A look into educator's hour of code

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