**The Sentinel: December 20, 2021**
**News and events happening in the <u>Computer Science Department</u>**



*Sending warm greetings to you*
*from all of us in the*
*Computer Science department.*

## CS Tea Talk:

Tea Talk will return in January on Thursdays 4:00-5:00 in Olin 306. Hear from compelling speakers and have fun with other people interested in CS.

(Note: Masking is required at CS Tea events, as these events are open to off-campus visitors.)

- January 6:    Evan Suma Rosenberg
- January 13:  Laurel Orr ('13)
- February 10: Allie Warren ('17)

## OPPORTUNITIES:

## Oregon State University REU: "Robots in the Real World"

10-week <u>"Robots in the Real World"</u> summer Research Experiences for Undergraduates Site, which has been running for eight years, most recently supported by the National Science Foundation under award CNS 1950927. This year's program will run from June 20 to August 26, 2022, on the main OSU campus in Corvallis, OR. Areas of robotics research for students with backgrounds in computer science, mechanical engineering, electrical engineering, mathematics, physics, social science, or any closely related fields. The specific projects for 2022 are listed on the project page. The application <u>form</u> will close February 9, 2022, at 11:59pm.

## Carnegie Mellon Robotic Institute Summer Robotics Research Opportunities for Undergraduate Students:

Passionate about Robotics & AI?  Carnegie Mellon's <u>Robotics Institute Summer Scholars</u> <riss.ri.cmu.edu> provides high-quality undergraduate research experiences to propel your academic future (<u>What is RISS?</u>). Conduct research in robotics and artificial intelligence with over 50 <u>pioneers</u>, <u>https://riss.ri.cmu.edu/mentors/</u>> defining the field (e.g. autonomy, field robotics, artificial intelligence, machine learning, human-robot interaction, computer vision, graphics, and space robotics).  Applications accepted November 1, 2021 to January 15, 2022 at 12 noon EST.  Check <u>here</u> for additional details.

**Bruins-In-Genomics (B.I.G.) Summer Program:** Do you have a passion for Computing, Biology, Math, and Science? Bruins-In-Genomics (B.I.G.) Summer Research Program is an 8-week full time immersion program (June 20-August 12) for undergraduates interested in learning how to read and analyze genes and genomes. Through this program students will have the opportunity to experience graduate-level coursework, and learn the latest cutting-edge research, tools and materials used by leading scientists to solve real-world problems. Rolling admissions: First application deadline for early review is January 3, 2022, 5:00pm PST. (final deadline March 1) Click here to apply to Big Summer 2022.

**National Center for Atmospheric Research – HAO – Summer Internships:** This opportunity is brought to us by a Carleton parent, Bill Anderson P'23 (andersnb@ucar.edu). You are welcome to reach out to Bill with any general questions about the organization. The SIParCS Program (pronounced "sigh-parks") at the National Center for Atmospheric Research is aimed at university students who are interested in pursuing a career in such areas as:

- Application Optimization
- Data Science
- Machine Learning
- Numerical Methods
- Software Engineering
- Supercomputing Systems Operations
- Visualization

For Summer 2022, we are currently planning for an in-person internship program although everything is bound by the local safety and health regulations due to COVID-19. In 2021 and 2020, our entire program continued as a completely remote internship program. Additional details are available in Handshake. Application deadline: January 10, 2022, 10:59pm.

**Distributed Research Experience for Undergraduates (DREU)**
Are you an undergraduate student interested in exploring research in computer science? DREU interns have the opportunity to be directly involved in a research project and interact with graduate students and professors on a daily basis. This experience is invaluable for those who are considering graduate school; DREU will provide a close-up view of what graduate school is really like and increase interns' competitiveness as an applicant for graduate admissions and fellowships. Applications are being accepted now through February 15.

**Become a developer or designer for Hack4Impact!**
Info: Hack4Impact (H4I) is a 501(c)3 nonprofit organization that engages software developers and designers at universities across the country to design and implement solutions for nonprofits in need of technological support. We founded a branch at Carleton last year, and since then we've developed a dialogue-based card game app using React Native for Cool Moms Dance Too, an Atlanta nonprofit that uses dance to promote wellness and connection within families. We've also created our own chapter

website using React.js from scratch. Since our previous project is coming to an end, we need UI/UX designers and developers like you for our next project this upcoming fall term! If you're interested in contributing to a project like this, where you'll gain real-world development skills, and more importantly, create impact in your community, please email carleton@hack4impact.org. For more information, check out our chapter website, https://carleton.hack4impact.org/, and the national organization's website, https://hack4impact.org/.

**Carleton Career Center Postings:**
- Web Developer at Harvard Medical School – posting available through Handshake
- Internships at Pixar – Summer 2022.  Application Deadline is February 13

**Calendar of Upcoming Events:**
**Jan 5:**     **Registration closes**
**Jan 5:**     **Classes resume**
**Jan 6:**     **CS Tea 4pm, Olin 306**

Want to receive this newsletter and other CS updates? Sign up for the cs-interest mailing list by contacting Paula Stowe.