



The Sentinel: November 22, 2021

News and events happening in the [Computer Science Department](#)

CS Tea Talk:

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

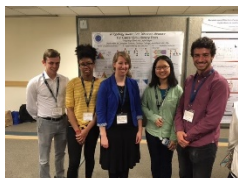
(Note: Masking is required at CS Tea events, as these events are open to off-campus visitors.)

You're Almost There!

You made it to Fall term finals! Maybe you've finished or maybe you have a couple more finals to go. It took effort to get to this point, to stay on campus for the entire term. You survived Covid testing, masking, hand washing, and a lot of looking out for one another. Know that we are proud of each and every one of you. Stay safe, stay healthy, and we'll meet you back here on January 5th. Enjoy Winter Break!!

KUDOS:

Anya Vostinar, Assistant Professor of Computer Science, published a comprehensive review article "[Symbiosis in Digital Evolution: Past, Present, and Future](#)" in *Frontiers in Ecology and Evolution*.



CS Prof. Layla Oesper along with Prof. Rika Anderson ('06) together receive \$1M in [National Science Foundation CAREER Awards](#) - The awards are the largest grants made to individual faculty in Carleton's history.

OPPORTUNITIES:

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

Passionate about Robotics & AI? Carnegie Mellon's [Robotics Institute Summer Scholars](#) <riss.ri.cmu.edu> provides high-quality undergraduate research experiences to propel your academic future ([What is RISS?](#)). Conduct research in robotics and artificial intelligence with over 50 [pioneers](#), <https://riss.ri.cmu.edu/mentors/>> 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 [here](#) 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.

The Carleton College Career Center has received information on a couple of opportunities for CS students from Carleton Alum, [Ben Rasmussen '99](#). You are highly encouraged to reach out to Ben with any questions regarding the organization or the position. Positions are also posted to [Handshake](#). The US Dept. of Transportation Volpe Center is now seeking student interns for 2022 in a variety of areas including but not limited to Computer Scientists and Data Scientists, as part of its [Pathways Internship Program](#). Most positions begin May 2022. **Applications will be accepted through December 1, 2021.**

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.

Full-Time Job Opportunity: [Full Stack App Developer](#) –iOS and Android available at Project UniCo, New York, NY. This posting can be found in Handshake. Application deadline is November 28, 10:55 pm.

Other shared links from the Career Center:

- [Electronic & Computer Hardware](#)
- [Internet & Software](#)

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/>.

Explore Microsoft: Forwarded to us by a '07 Carleton grad: Explore Microsoft is a 12-week summer internship program specifically designed for first and second year college students. The program is rotational and allows you to gain experience in our different software engineering roles. It's also designed to give you hands-on experience with various tool and programming languages in the field of software development, and encourage you to pursue degrees in computer science, computer engineering, or related technical disciplines. Your on-the-job learning will be augmented with mentoring, community building and networking opportunities. Additional information is located [here](#).

Calendar of Upcoming Events:

Nov. 22-24: Finals

Nov. 25-Jan. 4: Winter Break

Jan. 5: Classes resume

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