



The Sentinel: September 28, 2020

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

CS Tea Tea

CS Tea is taking place on Zoom this term. **Sign up for the [cs-interest mailing list](#)** to receive the link and **join us via Zoom**.

10/1 CS Tea: Student research

Carleton students Kaeden Berg, Oliver Calder, and Molly Kammann will speak about their summer research experiences with CS faculty.

- **Kaeden Berg**, who worked with Sneha Narayan on "Exploring Wikipedia's "Supreme Court""
- **Oliver Calder**, who worked with Aaron Bauer on "Faster Cloud Computing: Rust, Unikernels, and Serverless Computing"
- **Molly Kammann**, who worked with Anya Vostinar on "Creating a Javascript-based UI to Model Biological Mutualism"

10/8 CS Tea: Energy-efficient and Reliable Computing Across the

hardware/Software Stack with Professor Iris Bahar, Professor of Engineering and Professor of Computer Science at Brown University

Prof. Bahar has been working on the design of computer systems for the past 3 decades. Her research focuses on developing new approaches to reduce power dissipation and improve reliability in high-performance processors, specialized embedded systems and computing systems designed with emerging technologies. Her recent interests have led her to consider design of machine learning and robotic systems, and how they can benefit from energy-efficient design techniques.

Computer Science Summer 2021 Off-Campus Study Abroad Program

Message from Professor David Liben-Nowell

I'm happy to announce that I'll be leading *History of Computing in England* during Summer 2021. The [program](#) is centered on the History of Computing, with particular focus on the 19th-century (Ada Lovelace! Charles Babbage!) and the mid-20th century (Alan Turing!), but also looking at plenty of other characters and milestones. We'll be based in England (mostly Cambridge, plus significant time in London and Manchester), and travel to France and Germany. Join in on [an upcoming Zoom information session](#) on Wednesday, September 30th, at 4:30pm. There's an "early decision" deadline for program applications on October 16th; the "regular decision" deadline will be in January 2021. (The OCS office is still finalizing the application, but it will be available soon.)



CS Department Computer Labs

Just in case you haven't visited the new [CS labs](#), check out the pics posted on our website for a peek at our space. Lab doors are locked but you can access the space easily with your OneCard! We have signage at all the computer stations. Please be sure to follow the safe guidelines posted for sanitizing work stations before AND after use. These are high touch areas and we want to be safe by following the posted procedures.

CARLETON OPPORTUNITIES:

Presenting: CarlTech

Carleton students Maanya Goenka and Luisa Escosteguy have put together a list of [tech opportunities \(CarlTech\)](#). These are opportunities that are not-well publicized and include CS and Finance exploratory/diversity programs: undergraduate internships, interview prep resources, and mentorship programs. Click on the link above and check it out!

Carletonian Web Editor Position

The *Carletonian* student-run newspaper is recruiting a web editor! We're looking for someone to help maintain and develop our Wordpress [website](#). This is a great opportunity to put your technical skills to work on campus and contribute to student journalism. The time commitment is low – about three hours per week at most, with many weeks being significantly less. Responsibilities include working with the editors-in-chief and managing editor to implement new features on the website. Please contact Amelia Broman (bromana@) and Sam Kwait-Spitzer (kwaits@) for an application if you're interested.

Career Center Event: [Navigating Virtual Networking with Epicore Software](#)

Our world has definitely flipped upside down due to COVID and now majority of interactions are virtual. Virtual job search, virtual interviews, and virtual networking are becoming the norm. Learn about Epicor Software, a leading ERP software organization, and its current entry level opportunities, while also learning tips about virtual networking. *-with Nikesha Rollack, University Relations Lead, and Jaime Lammer, Talent Acquisition Partner*

Tuesday, Sept. 29, 4:30 pm

RSVP via Handshake

Hack4Impact Are you interested in CS and want to improve your coding skills? Are you also a Carl who's passionate about social activism? Then Carleton's new chapter of [Hack4Impact](#) (H4I), a 501c(3) organization that connects student software developers to nonprofits and other socially responsible businesses to create tools for social change, is the club for you! Existing H4I chapters have worked with at least 19 organizations, completing 24 different projects comprising over 400,000 lines of code. Notable projects include the [Asylum Connect Catalog](#), a dynamic, centralized database that connects LGBTQ+ asylum seekers to service providers in the US (2016) and the [Philly Food Finder](#), a map based web app to find local food resources in Philadelphia (2014). If you

are interested or would like to be part of the Carleton chapter, let us know by emailing either Aishwarya (varmaa@carleton.edu) or Nicole (bindern@carleton.edu). While there will be lots of learning opportunities, we recommend that you have at least taken CS 111 or the equivalent. Thanks!

OTHER OPPORTUNITIES:

Graduate Information Day – Univ. of Nebraska, Dept. of Computer Science & Engineering

This event takes place Saturday, October 17
[RSVP](#) here for this one day event



One-day Cyber-Security workshop for undergraduate women in computer science. College of the Holy Cross is planning to host a free online workshop. This workshop will take place on a weekend in late October/early November. It will be entirely online over the course of about 6 hours, with a mix of video (e.g. zoom) and live peer/group chat (e.g. using discord), with time built in for lunch, breaks and socializing. The hands-on workshop would focus on reverse engineering and exploitation, starting with the fundamentals of software, software vulnerabilities, and how to leverage those vulnerabilities to gain control of software. The technical content would be somewhat self-paced, with group work encouraged, so participating students need not have extensive CS background or any previous experience with cyber-security---only some basic programming skills (e.g. completion of a CS1 course in Java, C, C++, or similar) and some exposure to a command-line terminal. Besides getting a taste of cyber-security, we aim for this to be a fun event where students can make connections with their peers and get to meet and talk with alumni and experts in the field. If interested contact Kevin Walsh kwalsh@holycross.edu

Bit by Bit – recently founded by two recent Dartmouth grads, is a company to help students prepare for software engineering internship interviews. Key goals for Bit by Bit include:

1. Review key technical concepts
2. Participate in a mock interview on different technical topics each week
3. Learn how to communicate their thought processes during interviews
4. Work with each of us to polish their LinkedIn, GitHub, Resume, and Personal Website
5. Practice behavioral questions independently and in group settings
6. Create a plan to maximize their networking success

Reminder - Important Dates

Sept. 30: [CS Study Abroad Zoom information session](#) for Summer 2021 History of Computing in England, with Prof. David Liben-Nowell

Oct. 1: CS Tea - Summer 2020 CS Student Research Experiences – Kaeden Berg, Oliver Calder, and Molly Kammann will be our featured speakers - 4:00pm via Zoom

Oct.8: CS Tea - Energy-efficient and Reliable Computing Across the hardware/Software Stack – 4:00pm via Zoom