



The Sentinel: October 25, 2021

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

CS Tea Talk:

Join us every Thursday 4:00-5:00 in Olin 306 to hear from compelling speakers and to 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.)

- **Thursday, Oct. 28, 4:00-5:00pm, Olin 306:** [Bijaya Adhikari](#) (Iowa CS) presents *Exploiting and Optimizing Mobility to Reduce Hospital-Acquired Infections*: As patients



seek care, they are simultaneously being exposed to several Hospital Acquired Infections (HAIs) including *Clostridioides difficile* infections (CDI), Methicillin-resistant *Staphylococcus aureus* infections (MRSA), and, as evidenced by outbreaks in several long-term care facilities, even COVID-19. An HAI outbreak within a healthcare facility inflicts a significant

burden on human health as well as economic costs on healthcare providers; in fact, CDC estimates the cost of battling HAIs to be between 28 and 45 billion USD in the USA alone. Fortunately, early detection coupled with effective preventative measures can help mitigate both health and economic risks of future outbreaks. This talk presents data driven solutions for both surveilling and mitigating HAI risks by leveraging mobility data obtained from hospital operations. (speaker will present remotely)

- **Thursday, Nov. 4, 4:00-5:00pm, Weitz Cinema:** [How Data Killed Facts](#) by **Jill Lepore, Harvard**. Part of the Humanities and Technology Series, History Lefler Lectures and CS Tea Talks.



International Collegiate Programming Contest (IPPC): Join our team! “The International Collegiate Programming Contest is an algorithmic programming contest for college students. Teams of three, representing their university, work to solve the most real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure. Through training and competition, teams challenge each other to raise the bar on the possible. Quite simply, it is the oldest, largest, and most prestigious programming contest in the world.” The winning team from the regional contest will progress to the divisional competition and compete for a spot in the national competition. If you think you might be interested in participating, send [Aaron Bauer](#) an email and you’ll be added to the list of people who will get future ICPC emails. Carleton will compete in the regional qualifier in either February or March.

Lovelace (a CS organization for women and non-binary students) wants to help you get prepared. Lovelace's mission is to increase gender diversity in computer science and technology within both the Carleton and Northfield communities. Lovelace members aim to accomplish this through creating supportive and inclusive environments that facilitate effective and fun learning. To learn more, contact [Lovelace leadership](#) and ask to join the Lovelace e-mail list. Also, visit the [Lovelace Facebook page](#).

CS Dept. SDA's continue to plan department events. Watch for upcoming emails with more information.

CS Labs – Beverage Caution!! There have been some beverage spills in the computer labs. Please be careful. Lids pop off of the coffee cups provided by the cafes. Spilled beverages can cause major damage.



OPPORTUNITIES:

The Ph.D. in CS: Getting There and Being Successful

Members of the CRA-Education committee invite you to a webinar for CS undergraduates! Event date is **Monday, November 1, 4:00pm-7:00pm ET**. Topics include:

- What is a Ph.D. in CS and why should I consider it?
- How a Ph.D. differs from a Master's degree in CS
- Timelines
- Preparing a strong application
- Making a smooth transition
- The first few years
- The research apprenticeship
- Beyond the Ph.D.

Register in advance for this webinar. After registering, you will receive a confirmation email containing information about joining the webinar. The webinar will be recorded for distribution via the [CONQUER](#) web site for individual viewing and departmental screenings.

Internships at Pega: The Career Center has posted Pega internship opportunities in Handshake. Login to Handshake and check out available options.

GirlSecurity Virtual National Security Fellowship

From the Carleton Career Center: The National Security Fellows program is a stipended 15-week knowledge and professional development program designed to allow participants to develop a meaningful understanding of national security, build enduring skills for the future workforce, cultivate the type of relationship-based networks, and curate opportunities to advance throughout college into career. The Fellows program will require 3-5 hours of individual and collaborative learning, project management, and reflection per week. A \$1,000 USD stipend will be distributed upon completion of the fellowship. The Program is open to currently enrolled junior or senior high school

students and first or second-year undergraduates in the US and its territories. Deadline: November 12, 2021 <https://www.girlsecurity.org/fellows-application>

"Prospective Graduate Student Visit day" in the CS department at the University of Iowa on **Fri, Nov 5th**. Information can also be found [here](#). Funds may be available for travel/boarding. Any student who wants to visit can RSVP: kasturi-varadarajan@uiowa.edu or the graduate programs administrator Sheryl Semler (sheryl-semmler@uiowa.edu) by October 31.

Virtual Open House - UCLA Graduate Programs in Computational Biosciences for undergraduate students interested in PhD programs focused on Bioinformatics, Genomics, or Computational Biology. Event will be held on **SUNDAY, NOVEMBER 7 from 2 to 4 PST**. All participants need to register [here](#) before **Monday, November 1**. A detailed email will be sent to all registrants a few days before the event.

From Cornell's CS PhD Program: The Student-Applicant Support Program aims to assist students from marginalized backgrounds as they apply to Cornell's CS PhD program. A graduate student volunteer may provide one round of meaningful feedback on an applicant's resume and statement of purpose (capacity limited). Participation in the Student-Applicant Support Program does not guarantee admission and our capacity for applications is limited.

To participate in the Student-Applicant Support Program, please submit your application materials [here](#) by **11:59PM EST on November 6, 2021**.

Note: Information will be aggregated and anonymized to evaluate the impact of this program, but individual responses will be deleted at the end of this application cycle. All demographics questions are optional.

HackHolyoke Join the fun online November 13th - 14th for a 24 hour hackathon jam-packed with fun! HackHolyoke aims to make a hackathon that is fun for everyone. We set ourselves apart by unfailingly having at least 50% of our hackers identifying as Women or Non Binary and welcoming college student hackers from all levels (ask us about our beginner track)! Want to Join the Fun? No prior experience necessary!



You can register to participate today! It only takes a few minutes, and the event is totally free! Get ready to hop onto our virtual platform in your PJs, and make something awesome! **Register** here.

Find out more at HackHolyoke.com Email us: HackHolyoke@gmail.com

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/>.

Calendar of Upcoming Events:

Oct. 28: CS Tea with Bijaya Adhikari, 4:00-5:00 pm, Olin 306

Oct. 31: Halloween!! 

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