



The Sentinel: January 25, 2021

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

CS Tea – Upcoming Tea Talks:

Tea Talks will continue to take place via Zoom during Winter Term. To receive the zoom link signup for the [cs-interest mailingslist](#) then join us **via Zoom 4:00-4:45pm**. Watch for emails from Professor Rafferty highlighting details about our talks; also check for postings on the CS department website.

Jan. 28: No tea event scheduled

Feb. 4: Information on summer opportunities in the CS department

Feb. 11: Dr. Patricia Garcia (<https://patriciagarcia.info/> ; University of Michigan)

KUDOS:

Anya Vostinar, Assistant Professor of Computer Science, is recipient of a subaward from Michigan State University, to do work that supports lead PI Kristin Parent's CAREER project exploring *Shigella* phage-mediated genetic transfer effect on microbiome evolution. Professor Vostinar and her undergraduates will assist with computational development and analysis of a simulation of the bacteria-phage dynamics with intent toward development of a predictive tool that can ultimately be applied to other bacteria-phage interactions. 🙌🙌🙌🙌

CARLETON OPPORTUNITIES:

Special Event January 22-28:

What: [Picture a Scientist Film Screening and Discussion](#)

About: *Picture a Scientist* chronicles the groundswell of researchers who are writing a new chapter for women scientists. Biologist Nancy Hopkins, chemist Raychelle Burks, and geologist Jane Willenbring lead viewers on a journey deep into their own experiences in the sciences, ranging from brutal harassment to years of subtle slights. Along the way, from cramped laboratories to spectacular field stations, we encounter scientific luminaries - including social scientists, neuroscientists, and psychologists - who provide new perspectives on how to make science itself more diverse, equitable, and open to all. <https://www.pictureascientist.com/>

Co-sponsored by the STEM Board and the International Film Forum

When: January 22-28; Post-Film Discussion January 28, 12:25-1:25

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How:

- * Access the film online at this [link](#): and enter password: carleton121. Note that access is restricted to members of the Carleton community.
- * Access the discussion [via Zoom](#)
- * Access pre-viewing discussion questions [here](#)

Computer Science Summer 2021 Off-Campus Study Abroad Program **History of Computing in England with [Professor David Liben-Nowell](#)** **Sign-up [deadline](#) is January 25 - TODAY!**

This [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.



Announcing the International Collegiate Programming Contest (ICPC)

On February 27, Carleton will compete* in a regional qualifier for the International Collegiate Programming Contest (ICPC), and we need you to join our team! From the [contest web page](#): 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 international competition and compete against teams from around the world. Contact [Aaron Bauer](#) by email and you'll be added to the list of people who will get future ICPC emails.

Career Center Events/Opportunities:

[1:1 with David Goodell '18 at Concord USA](#) (Software Eng. Consultant)

This event takes place via Zoom at 4:00 pm, **Thursday, January 28th**. Find out more at the above link and contact Andrea Kubinski, x5511.

Software Engineering Intern at Flexport

This opportunity is for interested juniors. **Deadline: Sunday, February 7th!**

This opportunity is brought to us by a Carleton alum, [Robert Krossa '16](#) (robert.krossa@gmail.com). You are highly encouraged to reach out to Robert with any questions regarding the organization or the position prior to applying. Flexport is a logistics startup that is revolutionizing the freight forwarding industry. Flexport is currently seeking Software Engineer Intern in San Francisco, Chicago, and Seattle. This is a great opportunity for a current Carl that has already had internship experience and are interested in working at a high-growth startup.

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OTHER OPPORTUNITIES:

UNC Charlotte – College of Computing and Informatics – [Summer 2021 Undergraduate Research Experiences](#)

This REU will be structured as a distributed experience - students will not come to the Charlotte campus, but instead will engage in regular research and REU community activities in a remote/online format. Applications for Summer 2021 are open. Early application deadline is March 1.

ICPSR Research Paper Competition

[ICPSR](#) invites submissions for the 2021 Research Paper Competitions from graduate and undergraduate students, and recent graduates. The competition highlights exemplary research utilizing quantitative analysis. Entrants may be from the US or outside the US. The ICPSR Research Paper Competition is for analysis on any topic using data from the ICPSR Archive or Thematic Collections. There are separate undergraduate and master's prizes for this competition. Deadline is January 31.

NSF BIT SURE Research Experience for Undergraduates (REU)

Summer 2021. Hosted by North Carolina State University, this 10-week program focuses on *advanced sequencing tools* that are transforming the way biologists conduct research and inclusive science. Participants learn about sequencing techniques and participate in professional development opportunities and site visits. A series of workshops and service-learning opportunities promote diversity in science and learning. [BIT SURE](#) participants receive a stipend.

The **application** is available on our website: go.ncsu.edu/BITSURE
The deadline is **February 14th, 2020**.

Call For Applications: 1 year M.S. Program in NLP at UCSC Silicon Valley

Natural language processing (NLP) is a rapidly growing field with applications in many of the technologies we use every day, from virtual assistants and smart speakers to autocorrect. UCSC has created a unique [Master's program in NLP](#) to provide students with the skills and in-depth knowledge of NLP algorithms, technologies, and applications that are in high demand in both industry and academia. Our program goes beyond the classroom by supplying students with industry-relevant projects for the kind of real-world experience that is essential for a successful career in NLP.

Program Highlights:

- 1-year program, including a 3-quarter capstone project
- Core courses covering all aspects of NLP
- Instruction and capstone project collaborations with experts from industry giants like IBM, Microsoft, Amazon and Bloomberg
- State of the art facilities in the heart of Silicon Valley

Some partial fellowships may be available. Applications are now open. See <https://grad.soe.ucsc.edu/nlp/> for instructions. Application deadline is **February 3, 2021** for Fall 2021 admission. Questions can be directed to nlp@ucsc.edu

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Reminder - Important Dates

Jan 25: OSC Deadline (TODAY) for Summer 2021 off-campus program in England:
[History of Computing](#) with [Professor David Liben-Nowell](#)

Jan 25-28: Picture a Scientist film screening and discussion (see details above)