## The Sentinel: January 18, 2021
## News and events happening in the Computer Science Department

**CS Tea – January 2021 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. 21:** Dr. Anya Vostinar, Assistant Professor of Computer Science at Carleton will be speaking about her research in a talk entitled **"Simulating bacterial and viral dynamics using artificial life."** Professor Vostinar's research is interdisciplinary, combining ideas both from biology and computer science. Learn more about how computer science can be used to develop new insights into biological experiments, about how we can think about evolution as an algorithm. Whether you're an aficionado of all things biological, intrigued by the concept of a bacteriophage, or just want to learn about a neat application of computer science and see the smiling faces of other people who are excited about computer science, As usual, this tea talk is intended for everyone, regardless of your background in computer science (or in bio!).

**Jan. 28:** No tea event scheduled
**Feb. 4:** Information on summer opportunities in the CS department


OPPORTUNITIES:

**Computer Science Summer 2021 Off-Campus Study Abroad Program**
*History of Computing in England* with Professor David Liben-Nowell

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. Sign-up deadline is January 25!

**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 Event:** 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.

**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

**Reminder - Important Dates**
**Jan 21:** CS Tea with Dr. Anya Vostinar
**Jan 25:** OSC Deadline for Summer 2021 off-campus program in England: History of Computing with Professor David Liben-Nowell,