The Sentinel: February 15, 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.

Feb. 18 Tea Talk: Prospective Majors Event
Our tea talk will be focused on what the CS major is like, what CS majors do after graduation, and what student organizations are related to computer science. There will be plenty of time for informal conversations with faculty, SDAs, and majors. You're especially encouraged to come to this event if you're a prospective major, but also if you're a current major and want to share your experiences with other students. CS Tea is taking place on Zoom this term. Sign up for the cs-interest mailing list to get the weekly link and join us via Zoom.

Mar. 4: Tea Talk: Dr. Siobahn Day Grady (https://siobahncday.com/, Professor of Information Systems at North Carolina Central University

Summer research opportunities in the CS department – applications due TODAY!:
There are four projects, advised by three faculty members, where student help is being sought this summer:
- **Decoding tech support: Expertise identification and trust negotiation of help-seekers and help-givers** (Amy Csizmar Dalal)
- **Investigating Communication and Modeling Microbiome Evolution** (Anya Vostinar)
- **Rearchitecting Dragon Architect** (Aaron Bauer)
- **Understanding Attention, Information Gathering, and Expertise in Starcraft 2** (Aaron Bauer)

You can read more about each of these projects here. There's a link to the application here, which is **due by 5pm on Monday, February 15**. Summer positions are full time and pay $480 per week.

The Match: Check your email for information from Professor Anna Rafferty regarding results from The Match and how to register for Spring Term courses. Don't forget to register for the .M section of your matched class (like CS.252.M or CS.208.M, not CS.252 or CS.208).

From the Computer Science Department: **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.

CARLETON OPPORTUNITIES:

Kolenkow-Reitz Fellowship Information
Did you miss the information session? You can view the recorded session here. Kolenkow-Reitz Fellowship provides research support for Carleton students working with non-Carleton science and math faculty at another institution during the summer. These research opportunities are intended to encourage Carleton students' development as scientists and their exploration of mathematics and the sciences as a possible career, and are appropriate for students at any stage of their STEM exploration! At this information session, we'll demystify what the fellowship is all about, how to find opportunities, how advisors and trusted faculty members can help students find opportunities, and what the application process looks like.
Questions? Contact Amy Csizmar Dalal (adalal) or Stephanie Schroeder (sschroeder)

From the Psychology Department: **Join the Perception Lab!**
Do you have an interest in cognitive psychology, linguistics, and/or perception? Are you looking for research experience and perhaps authorship on a poster/article to strengthen your graduate school applications?
The Perception Lab is looking for student researchers to join our team! We will be conducting research on the cognitive processes supporting speech perception in difficult listening conditions and the mechanisms underlying audiovisual integration (see our research page for more information). The Perception Lab is also committed to open science practices, so lab time will also be devoted to discussing and learning about topics in meta-science.
Research students will read and become familiar with the literature on these topics, attend weekly lab meetings to discuss research, run participants, assist with data analysis and interpretation, and prepare posters for academic conferences or manuscripts. **Research students enroll in 2 credits of Psych 300 with an expectation of 6-8 hours of work per week (3-4 hours per credit).** Scheduling in the lab is quite flexible; timing for lab meetings and other commitments are determined based on mutual availability.

If you are a highly motivated first year, sophomore, or junior with a background (or interest) in psychology, cognitive science, linguistics, or computer science and can make at least a two-term commitment to working in the lab, please fill out the form below. The lab is committed to diversity in all forms, so students from groups that have been historically excluded from science are particularly encouraged to apply.
The deadline to submit applications is 5pm on February 19th, 2021. If you have any questions, feel free to contact Julia Strand or any of the current research students.
Submit an application here!

OTHER OPPORTUNITIES:

NSF CSGrad4US Graduate Fellowship and CRA Mentoring Program
The recently announced NSF CISE Graduate Fellowships (CSGrad4US) program provides an opportunity for bachelor's degree holders to return to academia and pursue research-based doctoral degrees. The fellowship will provide 3-year fellowship opportunities for new Ph.D. students in the computing disciplines. The CSGrad4US Fellowship recipients will participate in the CSGrad4US Mentoring Program developed by the Computing Research Association's Education (CRA-E) and Widening Participation (CRA-WP) committees.
The goals of the mentoring program are (1) to guide returning students through the application process towards a successful CS Ph.D. admission and school selection and (2) mentor them through the transition to Ph.D. graduate study during the first year. The CSGrad4USCS Mentoring Program will include both a group mentoring component addressing general aspects of the graduate application process and an individual coaching component.
Fellowship Eligibility
CSGrad4US Fellowship applicants must meet the following eligibility criteria:
- o   Be a U.S. citizen, national, or permanent resident;
- o   Intend to apply for full-time enrollment in a research-based doctoral degree program in a CISE field (computer science, computer engineering, or information science) no later than Fall 2023;
- o   Have graduated with a bachelor's degree in a CISE field between July 1, 2016, and June 31, 2019;
- o   Not be enrolled in a master's or doctoral degree-granting program for a CISE discipline at the time of the application (other than a professional master's degree program); and
- o   Have never previously accepted a NSF Graduate Research Fellowship.
Applications for the CSGrad4US Graduate Fellowship are due **April 13, 2021** by 5:00 pm submitter local time. Please visit https://www.nsf.gov/cise/CSGrad4US/ for additional details and deadlines.

The University of Minnesota offers a 10-week summer REU program for undergraduate students focusing on human-centered computing for social good. Participants will be immersed in a collaborative community of practice at the Department of Computer Science and Engineering and mentored by faculty researchers

in the areas of virtual reality, social and embodied computing, and human-robot interaction. To frame the societal relevance of their research, students will work on a project that addresses at least one United Nations Sustainable Development Goal. Lab activities will be supplemented with weekly research training seminars, invited talks, and professional development workshops. Due to the COVID-19 pandemic, we are planning to host the summer 2021 program as a virtual REU site. Participants will receive a stipend of $6,000 paid in installments throughout the summer. Because we cannot provide on-campus housing, students will also receive an additional payment of $3,588 to cover living expenses. We will do our best to accommodate students' technology needs to support their remote participation in the program.
Students that identify as members of underrepresented groups in computer science and those who are at institutions with limited research opportunities are particularly encouraged to apply.   Application website: http://reu.cs.umn.edu/
Review of applications will begin on February 22. However, we will continue to accept new applications and recommendation letters on an ongoing basis until the program is full. Students are therefore encouraged to apply even after this date.
For more information, please feel free to email us at cs-reu@umn.edu.
This site is supported by the National Science Foundation, and the summer 2021 program is pending final award approval.

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.**

Paglia Post-Bac Research Fellowship for Graduating Seniors:
Applications are now open for the Paglia Post-Bac Research Fellowship, intended to support graduating seniors with a strong interest in a career in scientific research as they experience working life in a lab/research group at a U.S. Research One (R1) institution for a period of one year (for international students) or two years (for US citizens or permanent residents). Graduating seniors with a major in a discipline represented on Carleton's STEM Board (Biology, Chemistry, Cognitive Science, Computer Science, Environmental Studies, Geology, Mathematics and Statistics, Physics and Astronomy, and Psychology) are eligible to apply. Find out more about the expectations, eligibility requirements, and application process. **Application deadline is 5 PM on Friday, February 26, 2021.**

The National Science Foundation recently announced the CISE Graduate Fellowships (CSGrad4US) program which provides an opportunity for bachelor's degree holders to return to academia and pursue research-based doctoral degrees. The fellowship will provide 3-year fellowship opportunities for new Ph.D. students in the computing disciplines.
This program applies to alumni who graduated with a bachelor's degree between July 1, 2016, and June 31, 2019

Eligibility

CSGrad4US Fellowship applicants must meet the following eligibility criteria:

- Be a U.S. citizen, national, or permanent resident;
- Intend to apply for full-time enrollment in a research-based doctoral degree program in a CISE field (computer science, computer engineering, or information science) no later than Fall 2023;
- Have graduated with a bachelor's degree in a CISE field between July 1, 2016, and June 31, 2019;
- Not be enrolled in a master's or doctoral degree-granting program for a CISE discipline at the time of the application (other than a professional master's degree program); and
- Have never previously accepted a NSF Graduate Research Fellowship.

Read more [here](#).

Reminder - Important Dates

Feb 15:   CS Dept. Summer Research Applications <u>due at 5:00pm</u>
Feb 18:   CS Tea – Prospective Major Event
Feb 15-23: Advising Days
Mar. 4:   CS Tea - Dr. Siobahn Day Grady