



The Sentinel: February 22, 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 sign up 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. 25 Tea Talk: No Tea Talk; instead, be sure to virtually attend the Comps Gala this Saturday. Details below.

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

Winter Comps 2021: The first round of comps presentations happens this Saturday, February 27, 9:00am-12:30pm! **The full schedule is [here](#)**. Tune in via zoom and support these 24 senior CS majors:

<p>Keystroke Dynamics for Usable Passwords</p> <p>Cole Dilanni, Allison Kim, Katharine Münger, Maya Murphy, Nathaniel Reid</p>	<p>Northfield's Digital Divide: Inequities in Internet Access</p> <p>Kaeden Berg, Christopher Kitchen, Gracie Little, Tony Ngo</p>	<p>Evolvers of Catan</p> <p>Bat-Orgil Batjargal, Alvin Bierley, Andrew Fitch, Daniel Kleber</p>	<p>Practicum: An Interactive, Web-based Tool To Teach Introductory Cs Topics</p> <p>Alexis Engel, Danny Maya, Ankit Sanghi, Matt Stecklow, Justin Yamada, Luna Yee</p>	<p>Dragon Architect Goes to College: Teaching Carleton Students Computational Thinking Skills</p> <p>Catalina Alvarez- Ruiz, Kate Grossman, Rie Kurita, Ellie Mamantov, Starr Wang</p>
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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).

(next page)

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.

Kudos to Ellie Mamantov and Muyang Shi:

Congratulations to Ellie and Muyang for receiving honorable mention in the 2021 CRA Outstanding Undergraduate Researcher Awards! This award program recognizes undergraduate students in North American colleges and universities who show outstanding potential in an area of computing research. The award is primarily about research. While it is expected that successful nominees will have excellent academic records and will have engaged in some form of service (e.g., club leadership, teaching, peer tutoring), excellence in research is the primary consideration.

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. Summer break application deadline is March 29.

Questions? Contact Amy Csizmar Dalal (adalal) or Stephanie Schroeder (sschroeder)

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

(next page)

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:

- 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.

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.

(next page)

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;

(next page)

- 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 15-23: Advising Days

Feb 22-Mar 28: Registration for Spring Term

Feb 27: Winter Comps Gala

Mar. 4: CS Tea - Dr. Siobahn Day Grady