



The Sentinel: March 29, 2021

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

CS Tea Talks Are Back for Spring Term!

Tea Talks take place via Zoom on most Thursdays during the academic year. To receive the zoom link signup for the [cs-interest mailinglist](#) then join us **via Zoom 4:00-4:45pm**. Watch for emails from Professor Rafferty highlighting details about our talks and the Zoom link; also check for details on the CS department [website](#)

- **April 1:** CS Tea: Welcome back! At this CS Tea, we'll be watching and discussion some CS-related videos in small groups.
- **April 8:** CS Tea: Professor Eric Alexander will be speaking about his research.
- **April 15:** CS Tea: Welcome new majors! Come join us if you're a new major or someone who wants to welcome new CS majors! There will be time for questions and discussions.
- **April 22:** CS Tea: Professor Beth Trushkowsky (Harvey Mudd College) will be speaking about her research.

Spring Comps Registration:

Check the Hub to make sure you are registered for CS400 and that you're registered for the correct section! Deadlines and presentation details are [here](#).

CARLETON OPPORTUNITIES:

Kolenkow-Reitz Fellowship Information

[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! **The application deadline is TODAY 3/29.**

The [Grace Hopper Celebration of Women in Computing \(GHC\)](#) is an annual meeting that occurs every fall (Sept 26 - Sept 29, 2021). The meeting, including the career fair where many of our students have found internships or jobs in the past, will be happening virtually in 2021. CS Department Asst. Professor Layla Oesper has announced availability of Grace Hopper Conference Scholarships! There are a number of [scholarships](#) for students interested in attending to offset the registration fees that have an **application date of April 28**. The CS department also has funding available to

help students attend the meeting, but to be eligible, you *must* also apply for outside funding. If you are interested in attending GHC this fall, you should complete the following steps:

1. Apply for one of the scholarships available [here](#).
2. You will need a faculty recommendation if you apply for the scholarships listed above. Please talk to any faculty member you plan to ask for a recommendation early (I'd suggest talking with your faculty recommender **before April 14** to give them time to write the letter).
3. Fill out this [form](#) to let Layla Oesper know that you are wanting to go to GHC this fall.

From Professor [Amy Csizmar Dalal](#): It may be hard to think about Fall Term 2021 when you're trying to finish up Winter Term, but let me give you a good reason to do so.

The Richard A. Tapia Celebration of Diversity in Computing

(<https://tapiaconference.cmd-it.org/>) brings together students, faculty, and computing professionals from all backgrounds to celebrate the field's diversity, connect with others, and create community; its topics range from the technical to professional development to broadening participation. Students (and faculty!) who have attended in the past have gotten quite a bit out of the conference, and we are hoping to send students (virtually!) again this year. The dates are September 14-17, 2021.

Think you might be interested? If so, you should consider applying for a scholarship!

The scholarship deadline is March 31, and the link is

here: <https://tapiaconference.cmd-it.org/call-for-participation/submission-guidelines/>

I am happy to answer any questions you may have, about the conference in general or about applying for scholarships specifically, so please don't hesitate to reach out to me.

Join the DataSquad! Paula Lackie, Academic Technologist in Carleton's ITS department, is in search of students to join the DataSquad. Some background in programming is helpful, but Paula is interested in anyone who wants to learn about data management and/or get a start in programming.

(<HTTPS://carletondatasquad.bitbucket.io> For starters, she thinks their website needs an update!) Hiring is open for spring term, summer, and even next year.

Contact [Paula Lackie](#)! (setting up a meeting via google calendar is the most efficient - but email works too.)

The Technology Policy Institute is seeking a [software engineer intern](#) for summer 2021 or sooner, if available. The intern will assist with the development of our Total Broadband Dashboard, a web application to improve the analysis and interpretability of data related to broadband availability, adoption, use, and funding. The intern will assist the lead developer in adding new data sources, improving the user interface, and expanding the capabilities of the dashboard. Candidates should have experience with Python, JavaScript, and SQL and have taken Software Design or have equivalent experience. Experience with Google Cloud or Amazon Web Services, React, GIS, or statistics would be helpful but are not required.

This is a paid position. This position may be part time or full time. Due to the COVID-19 pandemic this position is fully remote. Qualified applicants should submit a resume, unofficial transcript, a code sample (in any language, Python preferred), and a brief cover letter to lovin@techpolicyinstitute.org. **Nathan Lovin (Class of '19)**

Summer Research & Development Internship Opportunities with Johnson & Johnson Carleton's Career Center received information about internship opportunities at J&J including but not limited to: Software Testing-Hardware, Scientific Computing, Data Analytics-Data Management-Statistics. Information is available through [Handshake](#). Questions? Contact the [Career Center](#).

OTHER OPPORTUNITIES:

Whether, Why, and How to Get a Ph.D. in Computer Science
Thinking about getting a Ph.D. in Computer Science? Join MyCSPhd.org for a free online information session about getting a Ph.D. in computer science!

Hear from current Ph.D. students and faculty at leading Ph.D. programs. Get real, honest answers from professors and Ph.D. students from across North America to questions like:

- What is grad school like for Ph.D. students?
- How can I use a Ph.D. to make the world better?
- Am I qualified to get a Ph.D.? Would I do well?
- How would a Ph.D. affect my future job and earnings?
- Do I need a Ph.D. to get the job I want?
- What is a Ph.D. program like? Stressful? Fun? Fulfilling?
- How is getting a Ph.D. different than undergrad?
- What is research? What is doing research like?
- ... or any other question you have!

The sessions will be held on Zoom. Here's the schedule:

Date/Time	Topics (parallel tracks)
April 13, 12:30-1:30 PDT	Ph.D. Student Life
	What is Research?
April 21, 12:00-1:00 PDT	Applying to Ph.D. Programs
	Should I get a Ph.D.?

For more information or to register (it's free), go [here](#). (cont. next page)

MyCSPhd.org hosts a variety of other resources about getting a Ph.D. in CS. Prior information sessions are on [YouTube](#).

MyCSPhd.org is part of the [Computer Science Department](#) at [UC San Diego](#), but the information is about getting a Ph.D. in computer science generally. It is applicable to most (or all) Ph.D. programs in North America. Contact swanson@cs.ucsd.edu if you have questions.

HackDartmouth is back! Despite the challenges of 2020, the HackDartmouth team is gearing up to host a fantastic ~virtual~ hackathon this Spring! [HackDartmouth Virtual](#) will be happening virtually on April 16-18th, 2021. You'll have the opportunity to create something cool with a team of hackers. Create something big and also have the chance for swag, and prizes! The sign-up [application](#) is now open. Like years prior, the event features 24 hours of coding, swag, and amazing prizes! Before the event, feel free to check out some of our [past projects](#). Any undergraduate or graduate student may participate. Questions? Email <mailto:questions@hackdartmouth.io>

The **Computer Science Department at the University of Iowa** is proud to announce a new NSF-funded REU site: [Computing for Health and Well-being](#). A ten-week program will run from May 24 to July 30, 2021 in-person (if the pandemic renders an in-person experience infeasible, we will hold the site virtually). We would appreciate your help with sharing this information with undergraduate students. Candidates from populations underrepresented in STEM fields or from academic institutions with limited research opportunities are encouraged to apply as well as students with disabilities. *Applications will be reviewed on a rolling basis until all positions are filled.* If you have any questions or need more information, [please contact Dr. Elizabeth Kleiman at uicsreu@gmail.com](#) or [visit our website](#).

Midwest Interdisciplinary Symposium for Scientific Thought (MISST) takes place Saturday, April 24. This symposium, hosted by St. Olaf College faculty and students, will include an undergraduate poster symposium, a faculty keynote speaker, and a graduate school panel. For more information on MISST, please refer to [this link](#). If students are interested in registering, the first step is completing [MISST registration form](#) and we will be in touch shortly. **Registration deadline is April 10** Questions? Contact Jason Engbrecht (engbrech@stolaf.edu) or student coordinator, Lucia Wagner (wagner10@stolaf.edu)

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:

- 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 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*

Applications for the CSGrad4US Graduate Fellowship are due **April 13, 2021** by 5:00pm submitter local time.

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

Mar 29: Classes Begin

Apr 01: CS Tea – 4:00pm via Zoom (see info above)

Apr 08: CS Tea – 4:00pm via Zoom