



The Sentinel: March 15, 2021

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

CS Tea Talks:

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; also check for postings on the CS department website. We will resume CS Tea Talks in Spring Term

Spring Comps:

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:

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](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.)

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.

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 nlovin@techpolicyinstitute.org. **Nathan Lovin ('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](#).

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:

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](#).

Georgia Tech is kicking off their chapter of **Women in High Performance Computing (WHPC)**! To celebrate this launch, they will host a public event with HPC's heavy hitters from across the country on March 26th from 2-3 PM EST.

Register and more information here: <https://mailchi.mp/6800aac06bb0/hpcheavyhitters-whpc-registernow> Don't forget to subscribe (subscribe is located at the top left of the page) yourselves to WHPC GT Chapter!

Hello CS students! [Call for Participants](#)

WAVES (Workshop for Avida-ED Software Development) is running again this summer so if you are interested in educational software products, evolution, science communication, and/or interactive web applications, check it out! Details: ten weeks (June 14-Aug 20), full-time, \$6000, fully-remote, only for US citizens/permanent residents unfortunately. Link for more info and application:

<https://mmore500.com/waves/> Applications due March 22 - Come join us!

Sign Up for PennShops - March 20th, 2021!!!

PennShops is a day-long event filled with technology and entrepreneurship workshops hosted by PennApps, the nation's first student-run college hackathon founded at the University of Pennsylvania. This event is for college and high school students and is going to be completely virtual. We want you to sign up to be a part of the action -- **fill out the RSVP form** at <https://tinyurl.com/pennshops!>

When: Saturday, March 20th at 10am - 4pm EST

Where: Virtual!



Check out our [Facebook event](#)! We look forward to seeing you at PennShops! If you have any questions, feel free to email us at contact@pennapps.com.

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: Questions? Contact Jason Engbrecht (engbrech@stolaf.edu) or student coordinator, Lucia Wagner (wagner10@stolaf.edu)

Professional Research Assistant in Manual Quality Assurance with the PhET Interactive Simulations project:

This is an entry-level, part- or full-time, [Professional Research Assistant](#) position as a manual quality assurance (QA) specialist with a focus on educational simulation testing. The [PhET](#) team designs and develops interactive simulations for teaching and learning science and math, creates activities that couple with the sims, and makes these resources freely available to educators and students on the web. The QA team works closely with PhET's team of software developers to ensure that all sims behave

correctly during use. **Application review will begin March 1, 2021**, and will continue until the position is filled.

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

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 15: Last Day of Exams

Now through Mar 28: Registration for Spring Term

Mar 29: Classes Begin