CS Tea Talk:

Tea Talks take place on Thursdays 4:00-5:00 in Olin 310.
Hear from compelling speakers and have fun with other people interested in CS.
(Note: Masking is required at CS Tea events, as these events are open to off-campus visitors.)

February 10: Allie Warren ('17 CS) presents “Fighting Cancer with machine learning: computation methods in pre-clinical cancer research." Allie Warren is an epidemiologist in the Data Science Support Unit at the Washington State Department of Health, Office of Public Health Outbreak Coordination, Informatics, and Surveillance. She develops tools to process, link, and analyze COVID-19 sequencing, testing, and patient data.

February 11: Friday Convocation: Danielle Feinberg - 10:50-11:50, Skinner Chapel
The Magic Ingredient That Brings Movies to Life. Danielle Feinberg is a cinematographer and director of photography for lighting at Pixar Animation Studios. Interested in lunch or a small information conversation? Interested in lunch or a small informal conversation? Fill out this form by Tuesday 2/8.

February 17: Ben Adida, Executive Director of VotingWorks presents Elections You Can Trust This in-person talk will take place in Olin 149. Sponsored by the Humanities Center, Computer Science, and The Andrew W. Mellon Foundation

Preregistration with The Match:

Registration for CS 111 and 201 works as normal, but if you want to take a CS course numbered 202 or above, you should participate in The Match. To do so, you MUST fill out this linked form by noon on Tuesday, February 8, to submit your ranking of CS courses you're interested in taking next term. The form has info about the CS classes offered next term. You will receive an email confirmation after you've submitted the form (if not, or if you have questions, please get in touch). Details are located on the CS Dept. website, and check the email sent to you by Prof. Dave Musicant.

ON-CAMPUS OPPORTUNITIES:
CS Dept. Summer ‘22 Research Opportunities with Computer Science Faculty: Eric Alexander, Layla Oesper, and Anya Vostinar will lead students in summer research projects.

- Evaluating the Perceptual Limitations of Text Visualizations (Eric Alexander)
- Algorithmic Methods for Analyzing Tumor Evolutionary Trees (Layla Oesper)
- Symbiosis in Digital Evolution (Anya Vostinar)

Details are available on the CS dept. website. Applications due February 11.

‘22 Summer Liberal Arts Institute offers job opportunities for Carleton students to work as Teaching assistants (TAs) for the program. Check out the SLAI website and contact Dave Musicant if you have questions. Applications are due February 11.

OFF-CAMPUS OPPORTUNITIES:

NSF-funded REU: Computing for Health and Well-being, through the Computer Science Department at the University of Iowa. Apply now for this ten-week program which will run from May 23 to July 29, 2022 in-person (if the pandemic renders an in-person experience infeasible, we will hold the site virtually). 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.

Research Experience for Undergraduates (REU):
Data Science Across Disciplines 2022 Summer REU Program hosted by Marquette University – Department of Computer Science. We are seeking motivated undergraduate students of all levels majoring in data science, computer science, statistics and mathematics. Application deadline is February 13.

Research themes/projects from different areas in data science such as core data science, exercise science, healthcare, social science and spatial analytics.

3-day mini boot camp on introduction to data science (first week of the program).

Mentoring by researchers at Marquette University, Milwaukee, WI.

Professional and leadership development opportunities.

Poster presentation, technical report and publication opportunities.

REU students will receive:

- A stipend of $600 per week ($6,000 for 10 weeks)
- Allowance for food
- Allowance for professional conference registration and travel
- Housing on campus at Marquette

Applicants must:

- Be a United States Citizen or permanent resident,
- Be unemployed for the ten weeks of the program, or on leave / not actively working, and
- Be an undergraduate student in good standing in a major related to data science, computer science, statistics, or mathematics.
Women and students from underrepresented groups, as well as students from institutions with little or no opportunity for undergraduate research are encouraged to apply. Program details available at [https://reu.cs.mu.edu/](https://reu.cs.mu.edu/) Applications will be reviewed starting January 31. Deadline is February 13.

NSF ’22 Summer Research Experience for Undergraduates (REU) at Montana State University, Bozeman “Research Experience in Cybersecurity Algorithms”

Students will gain research experience and improve communication and collaborative skills. We aim to provide students with the opportunity to develop a research question and experience writing for academic publications and presentations. Application Deadline: March 2. Check this link for details and application: [http://www.bobcatsoftwarefactory.com/nsf-reu-2022](http://www.bobcatsoftwarefactory.com/nsf-reu-2022) For more information, students are welcome to contact: Dr. Clemente Izurieta, Program Director, clemente.izurieta@montana.edu.

NSF Undergraduate Research (REU) Opportunity at Florida Atlantic University – Summer 22: The Institute for Sensing and Embedded Network Systems Engineering (I-Sense) hosts an intensive summer research program in sensing and smart systems. This nine-week program emphasizes training, mentoring and research, preparing students for graduate studies or careers in STEM disciplines. Application closes March 8, 2022.

Oregon State University REU: "Robots in the Real World"

10-week "Robots in the Real World" summer Research Experiences for Undergraduates Site, which has been running for eight years, most recently supported by the National Science Foundation under award CNS 1950927. This year’s program will run from June 20 to August 26, 2022, on the main OSU campus in Corvallis, OR. Areas of robotics research for students with backgrounds in computer science, mechanical engineering, electrical engineering, mathematics, physics, social science, or any closely related fields. The specific projects for 2022 are listed on the project page. The application form will close February 9, 2022, at 11:59pm.

Bruins-In-Genomics (B.I.G.) Summer Program: Do you have a passion for Computing, Biology, Math, and Science? Bruins-In-Genomics (B.I.G.) Summer Research Program is an 8-week full time immersion program (June 20-August 12) for undergraduates interested in learning how to read and analyze genes and genomes. Through this program students will have the opportunity to experience graduate-level coursework, and learn the latest cutting-edge research, tools and materials used by leading scientists to solve real-world problems. Rolling admissions: First application deadline for early review is January 3, 2022, 5:00pm PST, (final deadline March 1). Click [here](#) to apply to Big Summer 2022.

Distributed Research Experience for Undergraduates (DREU)

Are you an undergraduate student interested in exploring research in computer science? DREU interns have the opportunity to be directly involved in a research project and interact with graduate students and professors on a daily basis. This experience is invaluable for those who are considering graduate school; DREU will provide a close-up view of what graduate school is really like and increase interns’
competitiveness as an applicant for graduate admissions and fellowships. Applications are being accepted now through February 15.

Carleton Career Center Postings:

- Web Developer at Harvard Medical School – posting available through Handshake – March 9 deadline
- Internships at Pixar – Summer 2022. Application Deadline is February 13
- Check Handshake for these opportunities;
  - Data Engineering Summer Internship with Versik
  - Info Session: Summer Internships & Co-ops in National Security

Calendar of Upcoming Events:

- Feb 3: CS Tea 4pm with Allie Warren (see above)
- Feb 8: Noon deadline to submit The Match preregistration form for CS 202 and above
- Feb 10: CS Tea 4pm, Olin 310
- Feb 11: Summer Research Applications with CS Dept. Faculty due by 5pm
- Feb 14: Valentine’s Day 💕
- Feb 14-22: Advising Days

Want to receive this newsletter and other CS updates? Sign up for the cs-interest mailing list by contacting Paula Stowe.