

# Computer Science Summer Fellowship Applicant Information Sheet

**Program Duration:** July 5 – August 29, 2021 (8-week)

**Program Location:** Remotely, under individual mentoring from faculty members at University of Chicago

**Program Contact:** [cssrp@mailman.cs.uchicago.edu](mailto:cssrp@mailman.cs.uchicago.edu)

**Program Website:** <https://www.cs.uchicago.edu/undergraduate/student-summer-research-fellowship-program/>

**Application Site:** <https://apply-psd.uchicago.edu/apply/>

**Application Deadline:** March 31<sup>st</sup>, 2021

## Program Brief

The Student Summer Research Fellowship Program (“Program”) is administered under the Computer Science department at University of Chicago. We invite a small group of highly motivated undergraduate students from our partner Universities to remotely join our faculty-led research groups at University of Chicago for 8 weeks during the summer. During the 8-week program period, each student will spend their work time with his/her faculty host and his/her research team to conduct exciting research. Besides, the program will organize team building activities, panels, etc. that will expose students to the larger UChicago academic community.

## Application Process

Applicants to the Computer Science Summer Fellowship will need to provide:

- A completed application, including a candidate statement that describes the student’s research interests in computer science, a transcript from their host institution, and a Curriculum Vitae.
- Evidence of English Language preparation; applicants may provide TOEFL or IELTS scores or request an [Academic English Preparation Assessment \(AEPA\)](#) in their application; this test costs \$70 and will need to be paid by the applicant. Applicants whose total score on the four-part TOEFL falls below 90 (or IELTS falls below 7) will not normally be admitted unless other demonstrable evidence of proficiency in English is available.

Students will submit this information via an online application available at <https://apply-psd.uchicago.edu/apply/>. Applicants should indicate Non-Degree as their degree and the Computer Science Summer Fellowship as their program and have a photo.

The application deadline is March 31<sup>th</sup>, 2021.

## Visa Requirements

Due to the pandemic, this year’s program will be conducted remotely with **no** visa requirements.

## Estimated Expenses

The following estimates have been provided for planning purposes only. Actual costs may differ slightly, though every attempt has been made to provide accurate information wherever possible. Depending on the agreement with your home university, students will be asked to provide partial financial responsibility.

\*The Student Fees rate has not been finalized yet, this is an estimate.

|                         |               |  |
|-------------------------|---------------|--|
| <b>Tuition</b>          | <b>\$150</b>  | Tuition to participate in the Summer Quarter program.  |
| <b>Insurance</b>        | --            | Complete Waiver  |
| <b>Student Fees</b>     | --            | Waived for remote participation  |
| <b>Program Fees</b>     | <b>\$400</b>  | Funding for social events for the Summer Fellows cohort  |
| <b>UChicago Support</b> | <b>-\$300</b> | Support for tuition and part of the program fees.  |
| <b>TOTAL</b>            | <b>\$250</b>  | Estimated costs for participating students; to be paid from a combination of personal funds and funding from home institution. |

**UChicago Faculty Members for this Program (in alphabetic order by last name)**

**Kyle Chard** ([website](#))

Research Assistant Professor

Research Topics: High performance computing and data science

**Yuxin Chen** ([website](#))

Assistant Professor

Research Topics: interactive learning systems, adaptive experimental design, machine learning, machine teaching

**Marshini Chetty** ([website](#))

Assistant Professor

Research Topics: HCI, usable privacy and security, ubiquitous computing

**Andrew Chien** ([website](#))

William Eckhardt Distinguished Service Professor; Director of CERES Center of Unstoppable Computing

Research Topics: Building robust and scalable systems --- cloud, HPC, edge, IoT, etc.

**Aaron Elmore** ([website](#))

Assistant Professor

Research Topics: Database systems, Distributed Systems

**Nick Feamster** ([website](#))

Neubauer Professor of Computer Science; Director, Center for Data and Computing

Research Topics: Security and privacy, computer networking (access networks, IoT), machine learning

**Ian Foster** ([website](#))

Arthur Holly Compton Distinguished Service Professor; Director of the Data Science and Learning Division, ANL

Research Topics: High performance computing and data science

**Haryadi Gunawi** ([website](#))

Associate Professor

Research Topics: Systems, Distributed/Cloud, OS, Storage/File

**Hank Hoffmann** ([website](#))

Associate Professor

Research Topics: Self-adaptive systems, power & energy efficiency, resource management

**Junchen Jiang** ([website](#))

Assistant Professor

Research Topics: Networked systems and machine learning

**Sanjay Krishnan** ([website](#))

Assistant Professor

Research Topics: Database, Machine Learning

**Yanjing Li** ([website](#))

Assistant Professor

Research Topics: Systems and machine learning, computer architecture, emerging technologies

**Pedro Lopes** ([website](#))

Assistant Professor

Research Topics: Wearables, Haptics for Virtual/Augmented reality, Fabrication, 3D printing, mechanics

**Shan Lu** ([website](#))

Professor

Research Topics: Tackling bugs in distributed systems, web applications, IoT programs, etc.

**Michael Maire** ([website](#))

Assistant Professor

Research topics: Machine learning and computer vision

**Lorenzo Orecchia** ([website](#))

Assistant Professor

Research Topics: optimization, algorithms, machine learning

**Chenhao Tan** ([website](#))

Assistant Professor

Research Topics: Natural Language Processing, Human-Centered AI

**Blase Ur** ([website](#))

Neubauer Family Assistant Professor

Research Topics: Computer security, privacy, and human-computer interaction

**Ben Y. Zhao** ([website](#))

Neubauer Professor of Computer Science

Research Topics: Adversarial Machine Learning, Security/Privacy, Network systems, HCI

**Heather Zheng** ([website](#))

Neubauer Professor of Computer Science

Research Topics: Adversarial Machine Learning, networking, and data analytics