Amy Huang

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Education

Brown University Providence, RI
Sc.B. Computer Science *GPA: 3.88* Sep 2016 - May 2020

Relevant Courses: Probability and Statistics, Discrete Math, Algorithms and Data Structures, Computer Systems and Architecture, Computational Linear Algebra, Virtual Reality Design, Multivariable Calculus, Java Programming

Skills

Proficient: Java, C, C++, Python, R, Git, Latex
Familiar: Bash scripting, Javascript, HTML/CSS, Linux

Work Experience

Head Teaching Assistant, Brown CSCI0200 Providence, RI
Brown University March 2018 | December 2018

- Will hire and manage 10-12 teaching assistants to rewrite assignments, hold labs and hours, and grade projects and midterms
- Resolve administrative issues for 200 person non-concentrator, introductory computer science class throughout the fall semester

Undergraduate Teaching and Research Award (UTRA) Providence, RI
Brown University June 2018 | August 2018

- Will work with Professor R. Bahar and Ph.D. student Jiwon Choi to develop concurrent data structures for processing-in-memory (PIM) computer architecture
- Will simulate application execution on PIM cores with SimC, an open source research tool for architecture simulation

Open Source Contributor Remote
Integrative Model for Parallelism November 2017 | February 2018

- Extended the documentation of benchmark code LULESH for integration with open source software IMP, started by research scientist Victor Eijkhout at the Texas Advanced Computing Center

Undergraduate Teaching Assistant, Brown CSCI0200 Providence, RI
Brown University September 2017 | December 2017

- Designed and graded assignments for 200-person intro computer science course "The Digital World" on Excel, Photoshop, Illustrator, JavaScript, and Python
- Held weekly 20-30 person tutorials to introduce new tools and homework help sessions

Computation Intern Livermore, CA
Lawrence Livermore National Laboratory (LLNL) June 2017 | August 2017

- Designed a parallel version of Nanopond, an open source artificial life simulator and Monte Carlo simulation, in C and OpenMP with computer scientist Barry Rountree
- Collected and analyzed data about behavior of new version, visualizing it in R

Community Service

Student Volunteer, Supercomputing Conference 2017
Selected for Students@SC travel grant and Mentor-Protégé program; set up SC17 workshops and panels

Associate, Brown Political Review Data Board
Develops data visuals with Google Sheets and Illustrator to go with an article in each BPR issue on social issues in economics, tech, and world politics