

AMY HUANG

amy-huang.github.io

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EDUCATION

Brown University

Providence, RI

Sc.B. Computer Science

Concentration GPA: 3.87

Expected May 2020

SKILLS

Proficient

Python, Bash, C, Java, R, Matlab,
Latex, Git, Linux, Photoshop,
Illustrator, Indesign

Familiar

HTML, CSS, MIPS assembly,
JavaScript

COURSEWORK

Design and Analysis of

Algorithms

Databases

Probability and Statistics

Discrete Math

Computer Organization and
Architecture

Linear Algebra

Multivariable Calculus

Intro to Computer Systems

VOLUNTEERING

Student Volunteer

Supercomputing Conference
2017

Associate

Brown Political Review Data
Board

EXPERIENCE

Head Teaching Assistant (HTA) CS2: The Digital World

Brown CS | March 2018 - December 2018

- Hire, train, and direct 8 undergraduate teaching assistants (UTAs) to grade and hold labs, hours
- Lead curriculum development and design of student-facing interfaces (email, website) for 200 person introductory computer science class

UTA Orientation Facilitator Sheridan Center **Brown University | May 2018 - September 2018**

- Designed slides and activities on UTA time management with assistant director of undergraduate instruction
- Spoke at and ran 3-hour, 60-person training for UTAs from all concentrations on campus

Undergraduate Research Grant (UTRA)

Brown Engineering | June 2018 - August 2018

- Surveyed research on lab group's specialty in computer architecture to find software tools and build on customized infrastructure
- Wrote power consumption estimation tool in Python and Bash that summarizes trends from hardware simulation data across different CPU/memory setups

Computation Intern Lawrence Livermore **National Laboratory | June 2017 - August 2018**

- Designed a parallel version of Nanopond, an open source artificial life simulator and MonteCarlo simulation in C
- Collected and analyzed data about behavior, visualizing it in R

Undergraduate Teaching Assistant (UTA)

CS22: Discrete Math

Brown CS | September 2017 - December 2017

- Designed and helped write logic/circuits homework
- Held weekly hours and graded written assignments