

# AMY HUANG

[amy-huang.github.io](https://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, JavaScript, MIPS  
assembly

## COURSEWORK

Design & Analysis of Algorithms  
Database Management Systems  
Probability and Statistics  
Discrete Mathematics  
Computer 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 - present**

- 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
- Coordinated 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