# AMY HUANG

amy-huang.github.io
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## EDUCATION

**Brown University**
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 allconcentrations 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 fromhardware 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