

Shawna Huang

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Education

Brown University

May 2020 | GPA: 4.0

Sc.B., App. Math-Computer Sci.

Coursework

- Integrated Intro. to Comp. Sci.
- Intro. to Computer Systems
- User Interfaces/User Exp.
- Statistical Inference I
- Computer Systems Security
- Discrete Structures/Probability
- Linear Algebra

Skills

- | | |
|------------|--------------|
| • Python | • Java |
| • Scala | • HTML/CSS |
| • C | • JavaScript |
| • Ruby | • React |
| • Go | • Redux |
| • SQL | • Rails |
| • Racket | • InDesign |
| • OCaml | • Photoshop |
| • Bash | • Figma |
| • Assembly | • Adobe XD |

Languages

- English (native)
- Mandarin (native)
- Spanish (proficient)

Interests

- Competitive Jump Rope
- Competitive Swimming
- Bullet Journaling
- Classical Music

Experience

Airbnb

May - Aug. 2018

Software Engineering Intern

- Built tools to augment and streamline the Airbnb Plus host onboarding funnel for hosts, Airbnb partners, and internal operations teams as part of the Plus Conversion team.
- Developed a RESTful API in Ruby on Rails and a user interface in React/Redux in collaboration with over 16 engineers, product managers, designers, and content strategists.

Brown Computer Science Department

Mar. 2017 - present

Head Teaching Assistant, CSCI0170

- Collaborate with a team of 4 head teaching assistants and professor Phillip Klein to develop, organize, and improve *An Integrated Introduction to Computer Science*.
- Recruit, hire, and mentor 23 undergraduate teaching assistants in developing course materials, assisting students in weekly labs and office hours, and grading student work.

Brown Space Engineering

Aug. 2017 - present

Ground Software Team Member and Inclusion Counselor

- Collaborate with a team of 5 students to build a web app that allows users to track and analyze data transmitted from EQUiSat, our student-built satellite.
- Spearhead assessment and improvement of diversity and inclusion efforts alongside team leaders, working towards a goal of making space engineering more accessible for all.

Brown Computer Science Department

Aug. 2017 - May 2018

Undergraduate Teaching Assistant, CSCI0170/CSCI0180

- Collaborated closely with professors John Hughes, Kathi Fisler, and Tim Nelson to develop and teach *An Integrated Introduction to Computer Science* to over 120 students.
- Developed new course assignments, answered student questions, facilitated weekly labs and office hours, graded student work, and wrote internal scripts for course staff use.

Zhejiang University School of International Studies

July 2017

Summer Intern

- Taught English speaking/writing and SAT prep to over 100 high school students preparing to attend university in the US/UK.
- Prepared and gave lectures, led classroom activities, and graded written essays to prepare students for the TOEFL and IELTS exams.

Projects

AirPals, *Airbnb Homes Hackathon 2018*

A React/Redux and Node.js app to democratize group travel and find listings on Airbnb.

Gaggle, *hack@brown 2018*

A Flask/React web app designed to help students find others nearby taking the same courses to meet study buddies and create study groups.

Wheather, *YHack 2017*

A Flask/React web app and text service to help users decide what to wear every morning based on the weather in their location and active hours.

Shell, *Introduction to Computer Systems*

A limited implementation of the Linux shell in C, including file redirection, signal handling, and foreground/background jobs.

Search, *An Integrated Introduction to Computer Science*

A search engine in Scala, using term frequency and PageRank algorithms to index a wiki and return relevant documents based on a free text query.