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
- Intro. to Computer Graphics

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
- 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. 2018 - present**
Head Teaching Assistant, CSCI0170
• Collaborate with a team of 4 head teaching assistants and professor Philip 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 wmaking 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

GeoCash, *HackMIT 2018*
A React and Node.js web app to help users visualize how they spend their money geographically, using the Plaid and Google Maps APIs. Winner of the Plaid API Prize.

AirPals, *Airbnb Homes Hackathon 2018*
A React/Redux and Node.js app to democratize group travel and find listings on Airbnb.

Wheather, *YHack 2017*
A Flask/React and Twilio web app/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.