Shawna Huang

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🎓 EDUCATION

Brown University
May 2020 • GPA: 4.0
Sc.B. Computer Science

Portage Central High School
June 2016 • GPA: 4.0
International Baccalaureate
National Merit Finalist

📖 COURSEWORK

• An Integrated Introduction to Computer Science
• Introduction to Computer Systems
• User Interfaces and User Experience
• Introduction to Discrete Structures and Probability
• Statistical Inference I
• Introduction to Engineering

🛠 SKILLS

Advanced: Java, Scala, C, Racket, OCaml, HTML/CSS, Microsoft Office, Adobe Creative Suite
Intermediate: Python, Linux, JavaScript, Bash, Assembly, Git, Heroku, Solidworks, LaTeX

Languages: English (Native), Mandarin (Native), Spanish (Proficient)

Interests: Jump Rope, Crochet, Movie Scores

💻 TECHNICAL EXPERIENCE

Undergraduate Teaching Assistant   Providence, RI | Aug. 2017 – present
Brown University Computer Science
- Work closely with a team of 26 TAs and the course professor to teach the introductory computer science sequence.
- Grade assignments, facilitate labs, hold office hours, and write scripts to help students better learn the material.

Ground Software Team Member   Providence, RI | Sept. 2017 – present
Brown Space Engineering
- Collaborate with a team of approximately 40 students to design and develop a satellite to be launched in early 2018.
- Work with a sub-team of 5 students to build a mission control web app, allowing users to track the satellite and its data.

Wheather Web Application   New Haven, CT | Dec. 2017
YHack 2017
- Collaborated with two students to develop a web application to help users determine what to wear in the morning based on the weather in their location.
- Gained experience with full-stack software development, as well as Google App Engine, Flask, JavaScript, and APIs.

Shell Project   Providence, RI | Nov. 2017
Introduction to Computer Systems
- Implemented a limited version of the Linux shell in C, including file redirection, signal handling, and foreground and background jobs.
- Learned about and utilized file descriptors, child and parent processes, signal handling, jobs, and process groups.

Search Engine Project   Providence, RI | March 2017
An Integrated Introduction to Computer Science
- Collaborated with a partner to build a search engine to find relevant documents from a wiki when given a free text query by the user.
- Utilized hash maps and functional and object-oriented principles to implement term frequency and PageRank algorithms.

💬 COMMUNICATION AND LEADERSHIP EXPERIENCE

Meiklejohn Peer Advisor   Providence, RI | Aug. 2017 – present
Brown University Meiklejohn Program
- Collaborate with a faculty member to advise 6 first-year students on course selection, concentrations, activities, and more.
- Answer questions, academic and otherwise, and serve as a resource to help first-year students adjust to life at Brown.

Summer Intern   Hangzhou, China | July 2017
Zhejiang University School of International Studies
- Taught English speaking and writing and SAT prep to over 100 high school students preparing to study in the US or UK.
- Gave lectures, led classroom activities, and graded written essays to prepare students for the TOEFL and IELTS exams.

Class of 2020 Public Relations Officer   Providence, RI | Sept. 2016 – May 2017
Brown University Class Coordinating Board
- Collaborated with a team of 6 students to plan and organize community building events for the Brown Class of 2020 of 1650 students.
- Spearheaded publicity campaigns for such events through designing posters and coordinating social media.