Shawna Huang

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EDUCATION

Brown University   **Providence, RI**
Sc.B in Computer Science; 4.0 GPA   **Expected Graduation: May 2020**
- Courses: An Integrated Introduction to Computer Science; Introduction to Computer Systems; User Interfaces and User Experience; Introduction to Engineering; Dynamics and Vibrations; Principles of Economics

Portage Central High School   **Portage, MI | Sept. 2012 – May 2016**
- International Baccalaureate Diploma; 4.0 Unweighted GPA; Class Rank 1/328; National Merit Finalist; United States Presidential Scholars Program Semifinalist; National Honor Society Chapter Officer; School Community Service Award

TECHNIAL EXPERIENCE

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

Guizilla Project, *An Integrated Introduction to Computer Science*   **Providence, RI | May 2017**
- Collaborated with a partner to build a browser and HTML pages to render on it, using JavaFX to display the GUI.
- Utilized sockets, cloning, and reflection to build both the client-side and the server-side and allow for user interactivity.

Quadcopter Project, *Dynamics and Vibrations*   **Providence, RI | May 2017**
- Collaborated with 4 students to design a MATLAB control system to track a quadcopter and fly it along a prescribed path.
- Analyzed forces acting on the quadcopter to calculate roll, pitch, yaw, and thrust to stabilize it on its flight path.

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

Paw-sitivity Web Application, *Hack@Brown 2017*   **Providence, RI | February 2017**
- Gained knowledge about APIs, HTML, CSS, JavaScript, and Meteor, while also developing team programming abilities.
- Built a web application designed to send anonymous emails, filtering out negative messages to promote positivity.

Laptop Stand Design Project, *Introduction to Engineering*   **Providence, RI | November 2016**
- Designed and fabricated a laptop stand to fit another student's specifications through sketching and prototyping.
- Analyzed forces acting on the laptop stand, the iterative design process, and user satisfaction with the final product.

COMMUNICATION AND LEADERSHIP EXPERIENCE

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

Zhejiang University School of International Studies, *Summer Intern*   **Hangzhou, China | July 2017**
- 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.

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

Portage Central Science Olympiad, *Team Captain*   **Portage, MI | Nov. 2012 – May 2016**
- Coordinated a team of 15 students in preparing for and competing in science and engineering tournaments.
- Explored various fields of science and engineering, including forensic science, geology, physics, and protein modeling.
- Won regional and state awards, including 4 individual awards in the top 6 and 10th place as a team at the state level.

Central Stampede, *Editor-in-Chief*   **Portage, MI | Sept. 2014 – May 2016**
- Directed a team of 30 students in writing stories, editing content, and designing pages for the student newspaper.
- Delegated stories and page design while overseeing all editorial and design decisions for each monthly issue.

Portage Central Forensics, *Member*   **Portage, MI | Nov. 2013 – May 2016**
- Competed in public speaking tournaments in the informative category (5-8 min. speech paired with visual aids).
- Developed communication skills, including public speaking and delivering information concisely and effectively.

ADDITIONAL SKILLS

Technical: *Advanced Knowledge:* Java, Scala, MATLAB, Racket, OCaml, Microsoft Office, Adobe Creative Suite; *Intermediate Knowledge:* Linux, C, Bash, JavaFX, HTML, CSS, JavaScript, Visual Basic, Solidworks, LaTeX; *Beginning Knowledge:* Python
Languages: *Native Speaker:* English, Mandarin; *Proficient:* Spanish
Interests: Swimming, Crochet, Movie Scores, Piano