

# Hsin-Lei Charlene Wang

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EDUCATION

**Brown University**, Sc. B. Computer Science-Applied Mathematics.

**Providence, RI** September 2016-May 2020

- Coursework: Computer Systems, Theory of Computation, Prescriptive Analytics, Object-oriented & Functional Programming, Discrete Mathematics, Statistics, Multivariable Calculus, Computational Linear Algebra, UI/UX

## RELEVANT EXPERIENCE

**Google Shopping**, *Engineering Practicum Intern*

**Mountain View, CA** May 2017-Aug. 2017

- Redesign Google Shopping's product reviews answer card, conducted A/B testing to drive product design decisions
- Design lite component and API to reduce client side latency; create 3 design docs in collaboration with 7 different teams
- Completed technical workshops on statistical analysis, ranking, product excellence, and end to end development

**Google for Education**, *20% Project*

**Mountain View, CA** May 2017-Aug. 2017

- Conduct market analysis and create a brand campaign that uses different digital media to celebrate 2017 Brazil Teacher Day
- Define product marketing strategy and pitch creative social and event briefs to key stakeholders of the LATAM markets

**Fermi Education**, *Co-founder*

**Providence, RI** Dec. 2016-Apr. 2017

- Built a personalized platform that connects recent graduates with demanded industry skills and career opportunities
- Programmed Fermi's platform with Meteor and React.js; interviewed 50+ students, 20+ companies, and 10+ professors

**Brown Dept. of Computer Science**, *Head Teaching Assistant*

**Providence, RI** May 2017-Present

- *CS2951-O Prescriptive Analytics*—Assist in the preparation and evaluation of a graduate level course
- *CS132 Modern Web Applications*—Create assignments and projects for a class of 130; hold hours and help debugging

**Junyi Academy**, *Software Engineering Intern*

**Taipei, Taiwan** Dec. 2016-Jan. 2017

- Refactored full stack code base; developed interactive features to improve learning experiences with JavaScript and Python
- Validated core online learning habits of 60,000 students with Big Query and Query Dashboard [www.junyiacademy.org](http://www.junyiacademy.org)

## LEADERSHIP & AWARDS

**Brown Data Science**, *Co-president*

**Providence, RI** Oct. 2016-Present

- Manage 6 teams and 30 people to create the annual [data science hackathon](#) and assist the launch of [neuroscience datathon](#)
- Spearheaded industry and cross department partnership and designed inclusive and learning-oriented workshop experience

**Brown Open Source Club**, *Co-founder*

**Providence, RI** May 2017-Present

- Selected as 1 of 20 student leaders across the U.S. to launch Mozilla's open source initiative at Brown University
- Lead monthly technical workshops and design two technical projects for the student developers [brownos.github.io](http://brownos.github.io)

**Women in Computer Science**

**Providence, RI** May 2017-Present

- Received competitive Anita Borg Grace Hopper scholarship based on strength of academics and demonstrated leadership
- Manage Brown's women in computer science websites and serve as a mentor for *Women in Science & Engineering*

## INDEPENDENT TECHNICAL PROJECTS

**Perfect College App**, [Kickstarter](#)

- Establish a guide that helps prepare 50+ international applicants to create college application [www.perfectcollegeapp.co](http://www.perfectcollegeapp.co)
- Receive 10,000 page views from over 20 countries in 3 months by utilizing Google Analytics and Webmaster Tools

## Notable Projects

- **Brown Entrepreneurship Program**: design [startup resources website](#) and arrange [entrepreneurial education](#)
- **Fermi Bot**: Build an independent educational Wit.ai bot based on Quizlet and Wolfram Alpha API at Hack@Brown
- **Webo**: Redesign Jibo Robots with Microsoft Cognitive Services Emotion API and Jibo SDK at MIT Hacking Arts

## SKILLS AND INTERESTS

- **Technical**: Experienced with **Python, Java, React, HTML, CSS**; Familiar with Swift, C, Scala, R, functional programming
- **Mathematics**: AIME Qualifier 2013-2016, AMC10/AMC12/AMC Distinction, 2016 Linguistics Olympiad
- **Interests**: Nonfiction, Travel, Hackathons, Chinese Martial Arts (National Champion)