

JESSY MA

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EDUCATION

Brown University

Computer Science & Environmental Studies

Expected graduation May 2021

3.9 GPA

Current coursework: Computer Systems,

Statistical Inference, Linear Algebra

Past coursework: Object-Oriented

Programming in Java, Algorithms & Data

Structures, Discrete Structures & Probability

TECHNICAL SKILLS

Experienced with Java, Python, HTML/CSS, JavaScript.

Familiar with React Native, SQL, Git.

PROJECTS

Macroinvertebrates (2018)

Mobile App – Research Project

Designed mobile companion app for website macroinvertebrates.org and currently developing with React Native as an independent project.

Brown Meal Share (2018)

Website – Independent Project

Responsive meal credit sharing website involving forms, membership, and backend database. Currently developing front end with HTML/CSS and JavaScript.

Othello (2017)

Game – Academic Project

Game with human vs. human, human vs. computer, and computer vs. computer modes of play. Computer has three levels of artificial intelligence. Coded in Java.

WORK EXPERIENCE

Brown Department of Computer Science

May 2018 – present

Undergraduate Teaching Assistant

Providence, RI

- Hold TA hours and labs to help students learn Java for CS15: Introduction to Object Oriented Programming
- Update and improve lecture notes
- Grade homework assignments and projects

Carnegie Mellon Human-Computer Interaction Institute

Summer 2018

Research Intern

Pittsburgh, PA

- Conducted and analyzed usability tests for macroinvertebrates.org, a teaching and learning tool for taxonomic identification
- Designed and began developing a user-centered mobile companion application for website macroinvertebrates.org using React Native
- Edited website content and media using online database

WBRU

Feb 2018 – present

Mobile Development Intern

Providence, RI

- Design and develop a new iOS application for a student-run internet radio station using React Native

Brown Annual Fund

Spring 2018

Advancement Student Caller

Providence, RI

- Made calls to members of the Brown community to raise donations

Farm Fresh Rhode Island

Fall 2017

Food System Enterprise Intern

Pawtucket, RI

- Communicated with producers and consumers to update price lists on online ordering platform
- Collected data and made calculations to determine order delivery minimums using spreadsheets
- Used pivot tables in MS Excel to analyze sales data

360 Tutoring

2015 - 2017

Co-Founder & Tutor

Dublin, OH

- Co-founded ACT tutoring business
- Planned and gave individualized tutoring sessions to 15 students
- Utilized website and social media for marketing

LEADERSHIP

Brown Fintech Hackathon

Feb 2018 - present

Logistics Coordinator

Brown University

- Manage logistics for Brown's first financial technology hackathon

Student Council

2013 – 2017

Class President, Community Relations Chair

Dublin, OH

- Collaborated with students and advisors to coordinate various school events and lead class council
- Planned community involvement and charity drives

Principal's Advisory Council

2016 - 2017

Academic Chair

Dublin, OH

- Led a team to design and execute a large mural project within 80 hours over one week
- Regularly met with group of senior representatives to advise principal on student opinion