

JESSY MA

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EDUCATION

Brown University

Computer Science & Environmental Studies

Expected graduation May 2021

3.9 GPA

Relevant coursework: Computer Systems, Statistical Inference, Object-Oriented Programming in Java, Algorithms & Data Structures, Discrete Structures & Probability

TECHNICAL SKILLS

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

Familiar with C, React Native, Git.

PROJECTS

Macroinvertebrates (2018)

Mobile App – Research Project

Designed mobile companion app for website macroinvertebrates.org and 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. Developing front end with HTML/CSS and JavaScript.

Othello (2017)

Game – Academic Project

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

WORK EXPERIENCE

Brown Department of Computer Science

May 2018 - present

Undergraduate Teaching Assistant

Providence, RI

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

Kellner Lab

Sep 2018 - present

Research Assistant

Providence, RI

- Analyze forest remote sensing data collected from airborne imaging spectroscopy and LiDAR

Carnegie Mellon Human-Computer Interaction Institute

May - Aug 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 using Photoshop and online database

WBRU

Feb - May 2018

Mobile Development Intern

Providence, RI

- Designed new iOS application for a student-run internet radio station

Farm Fresh Rhode Island

Oct - Dec 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

LEADERSHIP

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 team to design and execute a large mural in 80 hours over 1 week
- Regularly met with senior representatives to advise principal

360 Tutoring

2015 - 2017

Co-Founder & Tutor

Dublin, OH

- Co-founded ACT tutoring business and individually tutored 15 students
- Maintained Weebly website and utilized social media for marketing

ACTIVITIES

Dance, various hip-hop performance dance groups

Hackathons, YHack '17, Hack@Brown '18, Hack This. Help Kids. '18

Women in Computer Science (WiCS)

Rewriting the Code (RTC), *Member*

Christian Union at Brown, *Communications Assistant*