

# JESSY MA

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## EDUCATION

### **Brown University**

**Computer Science & Environmental Studies**

**Expected graduation May 2021**

3.86 GPA

Coursework includes: Object-Oriented Programming in Java; Algorithms and Data Structures; Discrete Structures and Probability; Computer Systems; Statistical Inference; Linear Algebra

## 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