

# SHAMBHAVI RAMASWAMY

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## EDUCATION

### Rutgers University – New Brunswick

Sep 2019 - May 2023

B.S. Computer Science, B.A. Economics, Certificate in Quantitative Economics

**Coursework:** Data Structures, Computer Architecture, Calculus II-III, Linear Algebra, Linear Optimization, Macroeconomic Analysis, Discrete Structures I

**Campus Involvements:** Douglass-SAS-DIMACS Computer Science Living-Learning Community, Tech Array CS Mentor, Rutgers Quantitative Finance Club, Rutgers Women in Computer Science Club

### Thomas Jefferson High School for Science and Technology

Sep 2015 - June 2019

## EXPERIENCE

### Tech Array CS111 Mentor

Aug 2020 - Present

Peer Mentor, New Brunswick, NJ

- Help CS111 students at Rutgers with any assignments/test prep/any concerns about the CS major/internships
- Part of an initiative to retain more CS majors after beginner level courses and improve the major track at Rutgers

### HackRU Research and Development

July 2020-Present

OneAppFlutter Team, New Brunswick, NJ

- Adding components to the user's personal settings page and completing bug fixes for HackRU's mobile application
- Language/technologies used: Flutter, JavaScript, React.js, HTML/CSS

### The Catholic University of America

June 2018 - Aug 2018

Research Intern, Washington, DC

- Aided in laboratory research by conducted statistical analysis on RNA data using R
- Spearheaded the beginnings of a software that measures cells without human involvement for my lab's usage
- Languages/technologies used: Java, JavaScript, ImageJ

## PROJECTS

### Crowdburst

July 2020 - Present

- Created a tool for improving social distancing in my community by creating a web app that helps users plan for visits during times of lower volume at grocery stores
- Technologies/languages used: JavaScript, Node.js, React.js, MongoDB Realm, Heroku, GraphQL API, Yelp-Fusion API, Web Scraping

### Mental Health Helper

Jan 2020 - Present

- Browser extension that is an everyday tool to prevent triggers of toxic mental health habits
- Languages used: JavaScript, HTML/CSS, MongoDB

### Sonar Fish Sensor

Sept 2018 - June 2019

- *Water Quality and Macroinvertebrate Monitoring to Assess the Conditions of the Jackson Hollow Stream*
- Developed a rudimentary sonar sensor that captures pictures of fish and other wildlife (via GoPro camera) triggered by servo motors connected to a motion detector

## LEADERSHIP

### Remote Students Campus Representative/Fellow

Sep 2020 - Present

- Promote initiatives by Remote Students through my involvements on campus to increase networking and internship opportunities in tech/VC/entrepreneurship for students at universities across the country
- Execute marketing and growth plans with fellows at other universities to increase the growth of this fast growing, venture-backed startup, which has 8,000 active users

### Women in Computer Science

Oct 2019 - Present

HackHERS Organizer, New Brunswick, NJ

- Collaborate with other student organizers to contact company sponsors for this hackathon

### Douglass Governing Council

Sep 2019 - Present

Treasurer, New Brunswick, NJ

- Manage council purchase orders and invoices
- Organize apparel and fundraising initiatives for council and Douglass Residential College

## SKILLS

**Languages:** Java, Python, JavaScript, C, BASH, React.js, Node.js, HTML5, CSS/DOM, SQL, XML/CSV, JSON, PHP, R

**Technologies:** GraphQL APIs, PHP, Flutter, REST APIs, MATLAB, Maple, MongoDB, Hasura, Heroku, Arduino

