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