SHAMBHAVI RAMASWAMY

sar374@scarletmail.rutgers.edu, 571-481-7572, www.linkedin.com/in/sramaswamy2023

EDUCATION

Rutgers University – New Brunswick   Sep 2019 - May 2023
B.S. Computer Science, B.A. Mathematics

<u>**Coursework:**</u> Intro to Computer Science, Data Structures, Calculus II-III, Microeconomics, Macroeconomics
<u>**Involvements:**</u> Douglass-SAS-DIMACS Computer Science Living-Learning Community, Club Lacrosse

Thomas Jefferson High School for Science and Technology   Sep 2015 - June 2019
<u>**Coursework:**</u> Foundations of Comp Sci, AP Comp Sci + Data Structures, Research Statistics, AP Calculus BC
<u>**Involvements:**</u> UNICEF (President), Varsity Lacrosse (Captain), JUMP Lab (Research Fellow)

EXPERIENCE

The Catholic University of America   June 2018 - Aug 2018
Research Intern, Washington, DC
- Conducted statistical analysis and cell measurement using ImageJ
- Began structure and code for software that measures cells from pictures without human involvement

PROJECTS

Sonar Fish Sensor   Sept 2018 - June 2019
- *Water Quality and Macroinvertebrate Monitoring to Assess the Conditions of the Jackson Hollow Stream*
- Conducted a research study in my high school's lab
- Developed a rudimentary sonar sensor that captures pictures of fish and other wildlife (via GoPro camera) to better analyze our water quality data

Sudoku Solver   January 2020
- Sudoku solving program in Java
- Employs a backtracking algorithm

Twilio - Whatsapp Chat Bot   January 2020
- Uses simple neural networks to analyze user input
- Generates responses from open source APIs

LEADERSHIP

Women in Computer Science   Oct 2019 - Present
HackHERS Organizer, New Brunswick, NJ
- Company sponsorship outreach committee

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 & INTERESTS

Languages: Java, Python, SQL, React.js, HTML/CSS

Interests: Fitness, YouTube Channel (srlifts DC)