

Roshen Abraham

8627 Farfields Way Laurel, MD 20723 | 301-741-6460 | rabrah99@gmail.com

Education

University of Maryland, College Park

Computer Science

(Applying to School of Engineering for Computer Engineering)

College Park, MD

Expected: May 2021

GPA: 3.29/4.0

Skills

Programming Languages: Java, Python, C, C#, Linux, MATLAB, Assembly

Software: Unity, Ultimaker Cura, Microsoft Office, Macintosh Programs, Premiere Pro, Photoshop, Illustrator

Experience

Researcher

July 2018 - Present

SENSE

University of Maryland

- Developing micro-climate sensors that monitor weather conditions, air pollution, and greenhouse gas emissions (currently being used NASA's Goddard Space Flight Center)
- Building a smart network of low-cost moderate-precision sensors on campus and across the greater D.C./Maryland area

Programmer

September 2018 - Present

Developers

University of Maryland

- Creating a video game from scratch using C# in Unity
- Programmed the movement of characters and assisted with the design of characters as well as the plot of the game

Student Technician

August 2018 - Present

Terrapin Tech

University of Maryland

- Diagnose computer issues and provide face-to-face assistance to customers that need help with software installations, backups, and/or virus removal

Science Assistant

August 2016 – May 2017

Atholton High School

Columbia, MD

- Responsible of handling the inventory of all Chemistry and Physics Classes
- Created and managed a database that recorded and kept track of all tools and instruments used by both departments

Extracurricular Activities

Area Treasurer

August 2016 - Present

North-East Leadership Camp

Washington Metropolitan Area

- Manage finances, monetary transactions, and fiscal agenda of seven Indian Orthodox Church youth groups in the Washington Metropolitan Area
- Conducted outreach to churches and increased membership count to over 120 members
- Lead and delegate tasks to each churches youth group in order to complete charity events, fundraisers, and promote fellowship among the area
- Create events in efforts to fundraise money for a leadership camp that brings together Indian Orthodox Churches from across the nation
- Developed a budget that was approved by the Indian Orthodox North-East Diocese Bishop to organize a nationwide leadership camp

Secretary

September 2017 - Present

RenU-MD Energy

University of Maryland

- Manage a team of 14 students, record notes in meetings, keep track of finances, organize research groups, oversee project development
- Developing a machine that cleans up oil/pollutants in freshwater areas

Additional Information

JROTC

August 2013 – May 2017

Atholton High School JROTC

Columbia, MD

- Started from rank of private and became the rank of 2nd Lieutenant by senior year of high school
- Over 100 hours of community service
- Developed young cadets into becoming excellent leaders while improving their academic careers