



# RON DUMALAGAN

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## EDUCATION

### Stevens Institute of Technology

Bachelor of Science in Computer Science (GPA: 3.657)

Hoboken, NJ

August 2020 - Expected May 2024

## SKILLS

Python, Java, HTML, JavaScript, CSS, C++, SQL, Ubuntu, Linux, Arduino, Bootstrap, Robot Operating System (ROS), Solidworks, Eclipse, Visual Studio Code, Microsoft Office, Amazon Web Services (AWS), Google Suite

## COURSEWORK

### Relevant Courses August 2020 - May 2021

Data Structures, Discrete Structures, Introduction to Computer Science, Probability and Statistics, Calculus of Two Variables, Research and Entrepreneurship in Computing

### Fall 2021 Courses August 2021 - December 2021

Algorithms, Computer Architecture and Organization, Intermediate Statistics, Computers & Society, Seminar in Business, Advancing Leaders

## PROJECTS

### New York on Tech TECH360 Competition

New York, NY

Team Member

September 2018 - December 2018

- Created a Mock Website for a pet store utilizing HTML, JavaScript, and CSS, in addition to the Bootstrap framework and Animate.css library
- Collaborated with two other students over the course of 2 months through the AWS Cloud9 IDE
- Showcased the final product to a panel of industry professional judges in a city-wide competition, and won first runner-up

## WORK EXPERIENCE

### Maritime Security Center

Hoboken, NJ

Student Researcher

May 2021 – July 2021

- Attended guest lectures and webinars in order to become familiarized with the Marine Transportation System (MTS) and Coast Guard operations in relation to maritime security
- Conducted a feasibility study for the completion of inspection tasks with the BlueROV autonomous underwater robot
- Contributed to a collaborative research paper through literature analysis, learning ROS through Ubuntu VM, and developing Solidworks simulations
- Carried out weekly status reports, and a final cumulative group presentation for Dept. of Homeland Security (DHS) stakeholders

### State of NY Metropolitan Transport Authority

Maspeth, NY

Summer Intern

July 2019 – August 2019

- Assisted with the inner functions and work environment of an MTA bus depot by coordinating with 2 other interns
- Communicated frequently with coworkers and supervisors in order to solve office workplace problems
- Demonstrated critical thinking and optimization skills through the swift completion of administrative tasks

### Arimed Orthotics & Prosthetics Inc.

Brooklyn, NY

Intern

February 2019 – April 2019

- Instructed the employer on how to use features on his computer, phone, and smart watch
- Assisted in making purchases, registering for events, and creating online accounts on behalf of the employer

## LEADERSHIP

### Ethnic Student Council (ESC)

Stevens Institute of Technology

Secretary

April 2021 - Present

- Maintained accurate and complete minutes, attendance, and voting records of all meetings
- Processed all correspondence, primarily through sending and responding to all emails pertaining to the organization

### Filipino Association of Stevens Tech (FAST)

Stevens Institute of Technology

Co-Cultural Chair

April 2021 - Present

- Presented Filipino culture and relevant issues to the General Body during formal meetings
- Worked in conjunction with Social Chairs to incorporate culture in FAST events

## ACTIVITIES/AWARDS

Dean's List, A. James Clark Scholarship, Presidential Scholarship, Society of Asian Scientists and Engineers, National AP Scholar Award

U.S. Citizen · Available for work May 2022 - August 2022