



# RON DUMALAGAN

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## EDUCATION

### Stevens Institute of Technology

Bachelor of Science in Computer Science (GPA: 3.5)

Hoboken, NJ

August 2020 - Expected May 2024

## SKILLS

Python, Java, HTML, JavaScript, CSS, Bootstrap, Node.js, MongoDB, Express.js, Handlebars, Figma, ServiceNow, C++, OCaml, Bash, SQL, Ubuntu, Linux, Git, Eclipse, Visual Studio Code, Microsoft Office, Google Suite

## COURSEWORK

### Relevant Courses August 2020 - May 2023

Algorithms · Data Structures · Web Programming · Systems Programming · Human-Computer Interaction · Agile Methods for Software Development · Discrete Structures · Computer Architecture and Organization · Database Management Systems · Operating Systems · Compiler Design and Implementation

## WORK EXPERIENCE

### Federal Reserve Bank of New York

Summer Analyst

New York, NY

June 2022 – August 2022

- Developed 4 efficiency metric web applications for the Enterprise Architecture team using HTML, CSS, JavaScript, and several front-end libraries in the ServiceNow IDE
- Assisted the VP of Enterprise Architecture and Director of Solution Architecture with the development of advanced search tools and duration calculators
- Delivered and demonstrated application functionalities to product owners and department heads for Transformation Office initiatives, reducing monthly computation times by 1-2 hours

## ACADEMIC PROJECTS

### Jimbro, Web Programming I

Team Member

Hoboken, NJ

September 2022 - December 2022

- Developed a web application to help gym and fitness enthusiasts plan their workout routines using MongoDB, Express, Node, and Handlebars
- Built the frontend and backend for the sign-up, log-in, and user profile pages, and tested forms on the pages for validation errors and XSS attack vulnerabilities
- Utilized and maintained a Kanban board in order to track user stories and product backlog
- Collaborated with a team of 3 other students to complete the website for a course on Web Programming

### Word Boss, Agile Methods for Software Development

Team Member

Hoboken, NJ

September 2022 - December 2022

- Created an educational web application to help students learn SAT words using MongoDB, Express, Node, and Handlebars
- Practiced the Scrum Agile framework by doing weekly sprints, planning meetings, user stories, product backlogs with team members
- Collaborated with a team of 5 students to complete the website for a course on Agile Methods for Software Development

## LEADERSHIP

### Ethnic Student Council (ESC)

Vice President

Stevens Institute of Technology

April 2022 - May 2023

- Organized events throughout the semester involving 11 cultural student organizations to celebrate cultural diversity on campus
- Coordinated the actions of the ESC executive board in conjunction with the ESC President

### Filipino Association of Stevens Tech (FAST)

Secretary

Stevens Institute of Technology

April 2022 - May 2023

- Maintained responsibility for all electronic communications on behalf of and within FAST
- Took attendance at all FAST events, maintained agendas for all meetings, and managed mailing list memberships

## ACTIVITIES/AWARDS

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

U.S. Citizen · Available for work September 2022 - August 2023