



## Education

Rutgers University - School of Engineering

New Brunswick, NJ

*Bachelor of Science in Computer Engineering*

*September 2018 - May 2022*

- **GPA:** 3.783 / 4.0 | **Honors:** Summa Cum Laude, Deans List All Semesters
- **Relevant Coursework:** Machine Learning, Systems Programming, Network Security, Fullstack Engineering

**Programming Languages:** Java (3 year), C (2 year), Python (1 year), JavaScript/HTML/CSS (1 year)

**Utilities:** Github, GitLab, VSCode, IntelliJ IDEA, Docker, Spring Boot, React, Node.js, MS Office Suite

**Practices & Concepts:** Git, Scrum/Agile, CI/CD Pipeline, AWS, Microservices & Distributed Systems

## Work Experience

Adaptive Financial Consulting

New York, NY

*Graduate Backend Java Developer*

*February 2023 – June 2023*

- Utilized Java, Spring MVC, gRPC, Docker, and PostgreSQL to design backends for FinTech web applications.
- Executed team projects with European colleagues using a Scrum Agile approach, effectively managed via GitHub.
- Practiced Continuous Integration and Delivery/Deployment by consistently monitoring testing and merging changes.
- Conducted regularly scheduled meetings with clients and project managers to present deliverable MVP's and status.
- Used Hydra, Adaptive's proprietary Aeron UDP networking framework, to create distributed systems.

Schneider Electric

Lyndhurst, NJ

*Systems Applications Engineer Intern*

*January 2022 - May 2022*

- Utilized AutoCAD and Microsoft Office Suite in designing access control hardware system within superstructures
- Closely collaborated with teams of other applications to deliver and implement multimillion-dollar packages.

## Projects

GitHub | [github.com/rorosaya](https://github.com/rorosaya)

*Car Logos Image Classification*

*April 2022*

- Utilized Python to Implement and compare accuracy of Logistic Regression and KNN on an Imaging Dataset.
- Applied Principal Component Analysis to extract meaningful features and utilized Tensorflow and Sklearn.
- Manipulated and cleaned data while documenting process of decisions with visual comparisons within Jupyter File.

*Rideshare Regression*

*May 2022*

- Implemented and compared the accuracy of Linear Regression and KNN models on a Rideshare Pricing Dataset.
- Documented process and cleaned pandas data within Jupyter File, utilizing PCA, Tensorflow, and Sklearn libraries.

*Affordable Atmospheric Monitoring Unit (AAMU)*

*September 2021 - May 2022*

- Programmed Zybo boards attached with Digilent PMODs in C to monitor real-time atmospheric conditions.
- Created an affordable unit enabling students to access atmospheric data and actively combat global warming.
- Designed board to gather and compile csv file of data collected from attached PMOD sensors.

## Volunteer & Leadership Experience

MYA, Saint Sharbel's Church

Somerset, NJ

*Treasurer*

*September 2017 – June 2022*

- Assisted in directing annual fundraising and charity events, resulting in the successful procurement of over \$75,000.
- Managed and distributed organization funds to the community as well as various international causes.

Spotswood UX Coding Competition

Spotswood, NJ

*Team Lead*

*April 2018 – May 2018*

- Created a user-friendly and visually appealing scoring program in Visual Basic, databasing in Microsoft Excel.
- Won 1<sup>st</sup> place against 18 other teams as the team leader, guiding and distributing tasks to team members.

## Skills & Interests

- **Spoken Languages:** English | Fluent Arabic | Intermediate French
- **Hobbies:** Piano | Art | Travel | Photography/Videography | Gaming | Fitness | Foodie
- **Fun Facts:** I am a first generation Lebanese-American | 4-year Varsity Pole Vault Captain