






RAWAD SAYAH


 New Brunswick, NJ

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 rawadsayah

 rawadsayah.com

 rorosaya

Work Experience

Graduate Backend Java Developer

February 2023 - June 2023

Adaptive Financial Consulting

New York, NY

- Architected, engineered, and deployed backend software for production ready trading programs
- Enhanced existing trading applications that were used by 100,000 users across financial institutions
- Utilized Java, Spring MVC, gRPC, Docker, and PostgreSQL to design backends for FinTech web applications
- Adopted Agile Methodology and executed projects on a Global team across multiple time zones
- Created and modified existing CI/CD pipelines and integration tests
- Responsible for demonstrating newly developed features of projects to internal clients

Systems Applications Engineer Intern

January 2022 - May 2022

Schneider Electric

Lyndhurst, NJ

- Assisted in designing and implementing access control hardware systems within superstructures
- Frequented sights such as the Hard Rock Hotel to perform testing and troubleshoot issues within deployment

Projects

Portfolio Website

January 2024

- Developed using HTML, CSS, and JavaScript (+React) within Node.js, pipelined to GitHub for continuous deployment

Machine Learning

April 2022

- Practiced ML concepts and frameworks including TensorFlow and SciKit-Learn on regression and imaging datasets
- Utilized Python to Implement PCA, Linear Regression, Logistic Regression, and K Nearest Neighbors
- Manipulated and cleaned data using NumPy, and Pandas
- Predicted meaningful outcomes of image labels and pricing with 60% accuracy

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 and designed unit enabling students to access atmospheric data and 3D printed prototype

Volunteer & Leadership Experience

Treasurer

September 2017 – June 2022

MYA, Saint Sharbel's Church

Somerset, NJ

- Fundraised for international and local causes, resulting in a procurement of over \$125,000

Engineer Lead

May 2018

Spotswood UX/UI Coding Competition

Spotswood, NJ

- Won 1st place against 18 other teams, planning and distributing tasks and mentoring team members

Skills

Programming Languages	Java (Spring Boot) C Python JavaScript/HTML/CSS Gherkin
Software	GitHub CI Docker Node.js PostgreSQL Cucumber
Frameworks	React gRPC JUnit TensorFlow SK-Learn Pandas NumPy
Spoken Languages	Fluent Arabic Intermediate French

Education

Rutgers University - School of Engineering

New Brunswick, NJ

B.S. Computer Engineering

May 2022

- **GPA:** 3.783 / 4.0 | **Honors:** Summa Cum Laude
- **Organizations:** Rutgers Solar Car, IEEE, Arab Cultural Club
- **Coursework:** Machine Learning, Network Security, Full-Stack Engineering

References Upon Request