

Zavier Andrianarivo

(347) 703-0595 | zavierand98@gmail.com | linkedin.com/in/zavierand | github.com/zavierand

EDUCATION

New York University

Bachelor of Art in Computer Science - Courant Institute of Mathematics

New York, NY

Expected May 2025

- **Honors/Awards:** POISE Scholarship Recipient - STEM-based Full Scholarship
- **Relevant Coursework:** Linear Algebra, Software Engineering, Applied Internet Technology
- **Future Coursework:** Artificial Intelligence, Introduction to Robotic Intelligence

PROJECTS

D'Éclat - AI - Code | *ReactJS, Flask, TensorFlow, Figma*

- Developed a high-fashion recommendation system using React front-end, Flask backend, and TensorFlow ML model providing personalized outfit recommendations and aims for **80%** user retention.
- Enhanced recommendation accuracy by **25%** through a TensorFlow-based ML model using content-filtering and collaborative filtering with SV while processing data for over **30** users.
- Achieved over **90%** accuracy in image recognition using SVD and MSE regression loss function, and planning to utilize RESTful APIs for handling data from multiple sources in future versions.

Game Sale Discord Bot - Code | *NodeJS, Discord.js, MongoDB*

- Developed an API-driven Discord bot, SAMMY, to automatically retrieve and provide sale data for video games, with **71** active users across **4** servers with **5** command handling functions and event-driven architecture, ensuring responsive performance.
- Integrated MongoDB for data storage, allowing efficient retrieval of game data, improving response time by **30%** while automating daily notifications for game sales and increasing user engagement by **50%**.
- Achieved **99%** uptime by deploying the bot on a reliable local service and implementing error-handling mechanisms to ensure efficient deployment.

ZZENSE - Code | *React, MongoDB, Mongoose, ExpressJS, NodeJS*

- Engineered a full-stack clone of the e-commerce site, SSENSE, with React front-end and NodeJS, ExpressJS, MongoDB, and Mongoose backend. Optimized backend processes and enhanced site speed by **40%**.
- Implemented efficient routing techniques in ExpressJS, reducing server response time by **25%**. Utilized React Router for client-side routing, improving page load speed by roughly **82%**.
- Utilized Fetch API for seamless data transfer from Mongoose schemas to the front-end, retrieving data in **<1000ms** achieving a **20%** reduction in page load times and a **25%** increase in database query efficiency.

WORK EXPERIENCE

Exela Technologies/PwC

Client Services Administrator

New York, NY

Jan 2020 - Aug 2023

- Managed package logistics, overseeing receipt, processing, and delivery of **800** packages daily.
- Maintained **92%** client satisfaction rate through consistent support and effective communication.
- Processed **200** weekly domestic and international shipping labels, ensuring timely delivery.

EXTRACURRICULAR ACTIVITIES

Tech Treks - Tech@NYU

Member/Junior Software Engineer

Feb. 2024 - Present

New York University

- Led a team in designing and implementing a **showcase project** integrating fashion and technology, resulting in a **50%** increase in project completion rate monthly. Conducted weekly meetings to discuss progress, deadlines, and task assignments, fostering a **33%** weekly increase in project development.
- Participated actively in club events, workshops, and office tours to enhance skills, knowledge, and network within the field, contributing to a **25%** bi-weekly growth in industry exposure.

TECHNICAL SKILLS

Languages: C/C++, JavaScript (Node, Express, React), MongoDB, TensorFlow, Python (Flask), HTML/CSS, SQL

Developer Tools and Scripting: Git, GitHub, ViM (NeoViM), Bash, Zsh, VS Codium, Visual Studio, Docker

Operating Systems: Linux/Unix, Windows

MISCELLANEOUS INFORMATION

Hobbies: Baking/Cooking, Rock Climbing, Fashion, Piano, Baseball, Basketball, Snowboarding, Woodworking, Video Games, Car Maintenance, Drawing, Photography

Languages: English, French