Jacob [redacted]

[redacted]@gmail.com | [redacted] | [redacted], NY

EDUCATION

Bachelor of Science in Computer Science, Minor in Business Administration Graduated Dec 2023
University of [redacted] *Summa Cum Laude, Dean's List, GPA: 3.89/4.0*

WORK EXPERIENCE

[redacted] Jun 2023 – Aug 2023
Software Developer Intern – [redacted]
Facilitated financial data quality control between [redacted] and an Order Execution Management System.

- Created a web-based dashboard tool with **Python**, **Dash**, and **Bootstrap** that centralizes 20 trade reports for over 30 employees while providing visualizations that highlight important data.
- Reduced the number of automated emails sent to employees by modifying **Airflow** jobs to post data to a database.
- **Massaged data** in a Python backend and wrote **SQL** queries to pull data into the dashboard.
- Brought the Dashboard through the development lifecycle by deploying new versions with **Jenkins** and **Docker**.
- Met with internal customers to get feedback and adjust requirements.
- **Refactored** code to lean into existing documentation and have consistent design patterns to expedite development.

[redacted] **Utilities Board** May 2022 – Oct 2022
Software Developer Intern – [redacted]
Developed web-based applications for internal employees and over 200,000 external customers.

- Contributed to an **Ember** web app by adding components and improvements that lead to a better customer experience.
- Made styling changes in **CSS** to align website UI with Figmas provided by a third-party vendor.
- Implemented a new **content security policy** for [redacted] apps to provide greater security to all external customers.
- Masked sensitive information in a **Java middleware** layer to provide greater confidentiality to all external customers.
- Utilized tools like **Splunk** and **Postman** to troubleshoot and resolve issues in a distributed system.
- Collaborated in an agile **SCRUM** team to meet bi-weekly sprint goals.

University of [redacted] **at** [redacted] **College of Engineering** Jun 2021 – Aug 2021
Research Assistant, Autonomous Robots and Systems Laboratory – [redacted]
Researched steering controller system identification and automation of low-cost water surface vessels.

- Programmed an Arduino to utilize multiple sensors to read and log pulse-width-modulated (PWM) data.

U.S. Army Special Operations – 75th Ranger Regiment Jul 2015 – Oct 2019
Forward Observer – [redacted] *GA*
Coordinated with aircraft to provide fire support and medical evacuation for Rangers in dynamic environments.

- Worked in a Team Leader position that required training and coaching of soldiers to fit Ranger standards.
- Gave upwards of forty classes and presentations to peers and supervisors while translating technical information.

PERSONAL PROJECTS

react-portfolio-site – *https://jacobarmiger.vercel.app*
A hub for information on my personal projects and interests. Created with **React, Tailwind,** and a **Supabase** database**.**

comic-list-web-scraper
A web application that dynamically wrangles data from pages on comicbookreadingorders.com to provide users a method to track their reading progress. Utilizes **web scraping libraries** and built with **Python** and **Flask**.

- **Adopted by site owner** and has approximately 100 monthly users.

rendering-engine
A rendering engine written in **JavaScript** and **WebGL 2.0** that dynamically renders a list of objects with multiple shaders.

PROFESSIONAL SKILLSET

Languages:
Python, JavaScript, C++, Java, CSS, HTML

Technologies:
Git, React, Bootstrap, Airflow, Jenkins, Docker, Flask