Jacob ███████

████████@gmail.com | (██) ███ | ██████, ██

EDUCATION

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

WORK EXPERIENCE

█████████   Jun 2023 – August 2023
Software Developer Intern – █████ █
Facilitated data quality control between ████████ and third-party vendors.
- Created a dashboard tool with **Python**, **Dash**, and **Bootstrap** that centralizes 20 quality control reports for over 30 employees while providing visualizations that highlight and denoise 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.

█████ Utilities Board   May 2022 – Oct 2022
Software Developer Intern – █████ █
Developed web-based applications for internal employees and over 200,000 external customers.
- Masked sensitive information in a **Java middleware** layer to provide greater confidentiality to all external customers.
- Utilized tools like **S lunk** and **Postman** to troubleshoot and resolve issues in a distributed system.
- Contributed to ███'s **JavaScript** web apps by adding features to improve customer experience.
- Collaborated in a **SCRUM** team to meet bi-weekly sprint goals.
- Attended a Business Education Series to gain a wholistic view of ███ operations and organization

University of ████ █████ at █████ – ███████ College of Engineering   Jun 2021 – Aug 2021
Research Assistant, ███████████████ Laboratory – █████ █
Researched steering controller system identification and automation of low-cost water surface vessels.
- Programmed an Arduino microcontroller to read and log pulse-width-modulated (PWM) signals from a transceiver to gather data for system identification.

U.S. Army Special Operations – 75th Ranger Regiment   Jul 2015 – Oct 2019
Forward Observer – █████ █
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

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.

react-portfolio-site
A hub for information on my personal projects and professional work. Written in **React** and designed with **Tailwind**.

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

PROFESSIONAL SKILLSET

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

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