Khaled Zaza

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EDUCATION
Bachelor of Science, Computer Science (Minor in Cyber Security)   May 2024
San Jose State University, San Jose, CA
- GPA: 3.7/4.0
- <u>Relevant Coursework</u>: Data Structures and Algorithms, Assembly Language, Computer Architecture, Discrete Math, Information Security, Operating Systems, Computation, Programming Paradigms, DataBase Management, Computer Network, Big Data, Software Engineering, Game Design.

SKILLS
Python, C++, Java, C#, JavaScript, PHP, MySQL.   Bootstrap, Laravel, Flask, Pandas, APIs, cURL, HTML, CSS, Git.
Command Line, Jira, Salesforce, Agile, Operating Systems, Kali Linux.
Debugging, OOP, algorithms, data structure, UML, networking, cryptography, web application security, cloud computing.
<u>Languages</u>: English, Arabic.

PROFESSIONAL EXPERIENCE
AI Researcher, GLORAD, Remote   Feb 2024 - Present
- Leading **R&D** initiatives for AI projects, significantly enhancing technological capabilities, outcomes, and innovation.
- Investigating innovative **AI** tools and identifying solutions to revolutionize education and technology sectors.
- Executing **QA testing** using tailored use cases and documenting results to enhance coding work and functionality.
- Pioneering AI breakthroughs, streamlining tool development, fostering innovation in artificial intelligence applications.

Software Engineer Intern, Motorola Solutions, Remote   May 2023 - Aug 2023
- Developed image recognition software using **PHP** and **JavaScript** to optimize data storage, improving efficiency.
- Enhanced the processing speed **database** containing over **600,000,000** images, leading to performance improvement
- Contributed to software solutions deployed in over **700 cities**, positively impacting users worldwide.
- Collaborated with product managers to conduct thorough **testing and debugging**, ensuring satisfied customers.
- Performed **code reviews** for various software releases, ensuring compatibility and maintaining high-quality standards.

Software Engineer Intern, BlackBerry, Mountain View, CA   Jan 2023 - Apr 2023
- Designed **JavaScript** software with an **AI**-powered internal tool using **CI/CD** for improved customer interactions.
- Implemented RESTful APIs in Python to bridge front-end and back-end **databases**, ensuring seamless connectivity.
- Developed **Python** software, employing **cURL**, for secure JSON import from authenticated APIs, optimizing data flow.
- Managed database content and structure proficiently using **SQL**, ensuring data integrity and relevance.
- **Automated** support processes, significantly boosting operational **efficiency** and response times.
- Analyzed metrics to identify trends, enabling targeted improvements for optimal performance.

Software Engineer Architect, Spartan Racing (SJSU Formula SAE), San Jose, CA   Oct 2022 - May 2023
- Developed **Python** tools to **scrape** websites, reducing data collection time by over **2,000%**.
- Optimized **simulations** using **MATLAB** (Simulink) to analyze and optimize vehicle performance.
- Built launch control systems using C language to improve lap times during competitions.
- Designed **flowcharts** to communicate complex logic within the software system to **team** members.

Data Science Researcher, San Jose State University, San Jose, CA   Jun 2022 - Sep 2022
- **Extracted** data from multiple sources and performed statistical analysis to identify trends and extract insights.
- Developed automation programs in **Python** that reduced data processing time by more than **1,000%**.
- **Researched** and analyzed industry trends and published articles to identify problems.
- Created visually appealing and interactive **data visualizations** using tools such as **NumPy** and **Plotly**.

IT Intern, CompTechS (De Anza College), Cupertino, CA   Oct 2021 - Nov 2021
- **Troubleshoot** hardware and software issues using command prompt tools to diagnose and resolve problems.
- Developed and maintained IT system **documentation**, including user guides and technical manuals.

PROJECT EXPERIENCE
Let It Fly, SJSU (*github.com/KhZaza/Ride-Share-Project*) [***Tools***: MySQL, Redis, Python, FastAPI, Jinja, CSS, React, and JavaScript] Dec 2023
- Empowering airport travelers to simplify their journeys with a ride-sharing app designed for efficiency & convenience.

Partly, SJSU (*github.com/KhZaza/Partly*) [***Tools used***: Java, JavaScript, and MySQL, Apache Tomcat]   Sep 2023
- Developed a full-stack e-commerce website that sells car parts with search functionality with filters and admin side.