

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
- Relevant Coursework: Data Structures and Algorithms, Programming in Python, Advanced C++, Programming in Java, Assembly Language, Computer Architecture, Discrete Math, Information Security, Operating Systems, Computation, Programming Paradigms, DataBase Management, Computer Network, Big Data, Software Engineering.

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Motorola Solutions, Remote

May 2023 - Aug 2023

- Collaborated in a **distributed** team, developing **production** software using (**PHP, HTML, CSS, and JavaScript**).
- Enhanced web apps and **RESTful JSON APIs**, showcasing **bug-fixing** skills and strong **problem-solving**.
- Contributed across the **software lifecycle**, diagnosing bugs and enhancing features in an **iterative** framework.
- Engaged in daily **Agile** stand-ups, showcasing communication and cross-functional collaboration.
- Partook in meticulous **code reviews**, emphasizing detail for high-quality code delivery.
- Applied core computer science, using OOP, algorithms, and data structures in real-world challenges.

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 to improve lap times during competitions using **C language**.
- **Analyzed** competition data for improvement and developed optimized performance strategies.
- 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 tools such **command prompt** to diagnose and resolve problems.
- Developed and maintained IT system **documentation**, including user guides and technical manuals.

PROJECT EXPERIENCE

Let It Fly, SJSU

Sep 2023

- Empowering airport travelers to simplify their journeys with a ride-sharing app designed for efficiency & convenience.
- Utilized **MySQL, Redis, Python, FastAPI, SQLAlchemy, Jinja, HTML, CSS, React, and JavaScript** for development.
- Ensured data security by implementing encryption measures and utilized **Docker** for efficient deployment and scaling.

Indexify Application, SJSU

Oct 2022

- Enabling students to streamline their study routines with digital index cards while facilitating **multi-user** functionality.
- Leveraged **Java** and **JavaFX** to architect a user-friendly desktop application using **MySQL** for the database.
- Implemented robust **cryptography** security measures by incorporating **encrypted** password protection.

SKILLS

Python, C++, Java, C#, PHP, JavaScript, cURL, HTML, CSS, Bootstrap, Laravel, Flask, Pandas, SQL, Microsoft SQL, RESTful APIs, APIs, Command Line, Debugging, OOP, Algorithms, Data Structure, UML, GitHub, Git, Jira, BitBucket, Salesforce, Agile, Operating Systems, Kali Linux, Networking, cryptography, web application security, Cloud Computing.
Languages: English, Arabic.