Khaled Zaza

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EDUCATION

Bachelor of Science, Computer Science   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, Calculus, Information Security, Operating Systems, Theory of Computation, Programming Paradigms, Artificial intelligence, DataBase, Computer Network, Big Data.

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, Cloud Computing, Leadership, Finance.
<u>Languages</u>: English, Arabic.

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Motorola Solutions, Remote   May 2023 - Aug 2023
- Collaborated in **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 **software lifecycle**, diagnosing bugs, enhancing features in **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 **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 Intern, Spartan Racing, SJSU Formula SAE, San Jose, CA   Oct 2022 - May 2023
- Developed **Python** tools to **scrape** websites, reducing data collection time by more than **%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

Indexify Application, SJSU   Oct 2022
- Skills used: Java, JavaFX, SceneBuilder, GitHub, OOD, IntelliJ.
- Created a user-friendly **Desktop application** for digital index card manager to help students with studying.
- Supporting multi-user with **encrypted** passwords for security.

Stock Watch, Personal   Jan 2022
- Skills used: Python, requests, Twilio, PythonAnywhere, GitHub, HTML.
- A **web application** using **Python** and **requests** allows users to pick their favorite stocks. It sends SMS notifications based on percentage changes of favorite stocks, including the most recent news about stocks.