EJIRO IGUN

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Education

San Jose State University   **Aug. 2022 – May 2024**
Bachelor of Science in Computer Science, GPA: 3.94   *San Jose, California*

Relevant Coursework

- Data Structures
- Software Engineering
- Operating Systems
- Database Management
- Machine Learning
- Social Network Analysis
- Object Oriented Design
- Computer Architecture

Experience

Sequoia Family Medical Center   **Jun 2023 - Aug 2023**
Front-End Data Analyst Intern   *Porterville, CA*

- Data Analysis: Primarily conducted via Python libraries such as Pandas and Numpy which aid with exploratory data analysis.
- Expedited monthly report generation by 30% via transition from excel to web based interface
- Working with and cleansing data, ensuring consistency and proper articulation using PostgreSQL coincided with SQL toolkit SQLAlchemy
- Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS

San Jose State University   **Aug 2023 - Present**
Full-Stack Web Development   *San Jose, CA*

- Designed and contributed to the development of multiple web pages using NextJs Framework
- Contributed to Development of server side tools including REST API, communicating Requests to MongoDB database
- Demonstrated expertise in Git workflows, including feature branching, pull requests, and continuous integration pipelines, to deliver reliable and scalable web solutions
- Actively apply industry-leading Agile practices, including Scrum, to ensure efficient project management and delivery

Projects

ASL Finger Spelling Image Classifier | *Python, Tensorflow, React, Matplotlib, Flask*   **Nov. 2023 – Jan. 2024**

- Developed a Convolution Neural Network model to classify finger spellings in American Sign Language
- Constructed a User Interface using the React Framework which permitted users to capture their own hand signs
- Utilized a Flask back-end to communicate API requests, process and classify images, returning results to the front-end

Featherweight JS Interpreter | *Java, ANTLR*   **Oct. 2023 – Dec. 2023**

- Designed a lexer and parser to interpret the featherweight javascript language using ANTLR package
- Provides support for concrete functionality in JS including scoping with closures and evaluating complex expressions.
- Utilized JUnit testing to verify proper execution of syntax

Sorting Algorithm Visualizer | *Java Swing*   **Jan 2023 – Feb 2023**

- Built a GUI to visualize step-by-step procedures behind various sorting algorithms
- Coded in Java using the Java AWT toolkit as well as Java's swing API
- Utilizes java's swing worker and runnable interface for proficient multi-threading when running concurrent algorithms

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL, NoSQL, PHP
Developer Tools: VS Code, Eclipse, IntelliJ, Visual Studio
Technologies/Frameworks: JUnit, Linux, GitHub, Docker

Leadership / Extracurricular

Competitive Programming Club   **Sep 2023 – Present**
Trainer   *San Jose State University*

- * Tutoring curious students on introductory to intermediate algorithms as well as problem-solving techniques using C++
- * Qualified and participating in International Collegiate Programming Competition.