Ejiro Igun

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EDUCATION

San Jose State University — San Jose, CA
Bachelor of Science in Computer Science - 3.95 GPA — *Aug 2022 - May 2024*

Los Medanos College — Pittsburg, CA
Associate's for Transfer in Computer Science - 4.00 GPA — *Aug. 2019 – May 2022*

EXPERIENCE

Software Engineering Intern — Jun 2024 - Present
eGain Corporation — *Sunnyvale, CA*
- Implementing solutions involving large language models via prompt engineering and fine-tuning methods
- Spearheaded R&D team developing applications that take advantage of cheaper open-source LLMs
- Implemented multi-agentic flows, improving prompt engineering accuracy and efficacy for client-specific tasks
- Developed and hosted customer-facing User Interfaces with RESTful APIs via Django and AWS

Backend Developer — Sep 2023 - Jul 2024
San Jose State University — *San Jose, CA*
- Spearheaded development of projects such as Course Rating and Recommendation site leveraging RAG with LLMs
- Designed schemas and constructed both SQL and NoSQL databases, ensuring efficient data storage and retrieval
- Wrote web scrapers in Python for information retrieval, effectively populating the database with relevant data
- Built REST API endpoints for client-side interactions with the database, facilitating seamless data exchange

Data Analyst Intern — Jun 2023 - Aug 2023
Sequoia Family Medical Center — *Porterville, CA*
- Performed exploratory data analysis using Pandas and Numpy, identifying trends across 200+ employees
- Automated report generation, transitioning from spreadsheets to a web interface, increasing efficiency by 30%
- Ensured data consistency using PostgreSQL and SQLAlchemy, improving data accuracy and accessibility by 20%
- Provided metrics and visualizations using StreamLit and seaborn, highlighting patterns and trends among all staff members

PROJECTS

Customerify | *Flask, Groq, LlamaIndex, Express Js, Pinecone* — June 2024
* Worked in a group of 3 to develop Speech-to-speech customer service agent during Berkeley's AI Hackathon
* Project utilized Twilio API via websockets for realtime communication between language model and human
* Implemented RAG pipeline utilizing Llama 3 with Groq API for specified company use case
* Assisted with the development of web parser using Beautiful Soup and Selenium, utilized to populate vector database with relevant company data

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 evaluations to the front-end

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL (Postgres), NoSQL (MongoDB), JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, JUnit, Bootstrap, Django, Next JS
Developer Tools: Git, Docker, AWS, VS Code, Visual Studio, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib, Tensorflow, Seaborn, Scikit-Learn, LlamaIndex, Huggingface