Brandon J Du

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Professional Experience

DataAnnotation Tech: AI Trainer (Contract)   **June 2024 - Present**

- Provided coding prompts and wrote code in various programming languages to enhance the Achilles AI model's performance and accuracy for companies using DataAnnotation AI (Java, Python, JavaScript)
- Reviewed and tested model outputs, providing recommendations for improvements
- Tested the Beryllium AI model's outputs on prompts containing CC0 images, evaluated the model's performance in extraction, reasoning, infographics, and coding

Los Angeles Police Department   **June 2023 - June 2024**

Application Development ~~and Support Division~~

- Migrated AD-HOC ETL jobs from IBM Data Manager to Informatica PowerCenter and Informatica Cloud Data Integration
- Automated CI/CD workflows using GitHub Actions to streamline data migration tasks, automate sync merges, and create specialized release drafts on GitHub (JavaScript, YAML)
- Conducted data collection and comparison testing to ensure data integrity and successful migration

Developed a Java-based web application for managing and searching permit reports in the Oracle database
- Contributed to code reviews, refactoring, and testing within a local server environment.
- Documented technical processes, including GitHub and local environment setup (Markdown, GFM).
- Led migration from SVN to GitHub, improving version control efficiency.

- Supported initial migration planning from mainframe to Microsoft Azure through developing and testing RESTful APIs using Postman with mock servers (YAML, RESTful APIs).

Projects

Social Compass App
- Developed an Android application that functions as a digital compass, providing accurate directional guidance and real-time location detail (Java, XML)
- Integrated a remote API to handle location data, implemented live location monitoring, and managed UID distribution
- Utilized Android Studio and Java for front-end development, creating an intuitive and responsive user interface

RPI Fast Storage
IEEE Supercomputing @ UCSD
- Monitored and tested read/write speeds on an RPI cluster, providing performance data to GRAID and Liqid
- Performed BIOS configuration testing to compare baseline bandwidth settings, optimizing system performance (Unix)

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, C++, TypeScript
Frameworks & Tools: Angular, Spring, Oracle SQL, REST, Azure, Informatica, GitHub Actions, Postman
Operating Systems & Scripting: Unix, Linux, Bash
Certifications: GitHub Foundations (2024)

Education

University of California, San Diego   **San Diego, CA**
B.S. Computer Science-Mathematics   October 2020 - June 2024