May Zhang

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Developer Site ∘ Github ∘ Linkedin

TECHNICAL SKILLS

Languages: Python, Javascript/Typescript, SQL　　**Deployment**: Google Cloud Platform, Docker, Kubernetes, Git
Backend: Node/Express, Django, PostgreSQL, Redis　　**Frontend**: React/React Native/Next, HTML/CSS, Tailwind

WORK EXPERIENCE

MindMender - Node, React, GCP　　　　　　　　　　　　　　　　　　　　　Santa Clara, CA
Full-Stack Developer (Contract)　　　　　　　　　　　　　　　　　　　　　Dec. 2023 - May. 2024

- Developed clinical operation tools, streamlining patient assessment, by implementing tests design and score aggregation with **Node/Express**.
- Designed an accessible app experience, aiding users with visual impairments, by introducing options for colorblind mode and text-to-speech with **React**.
- Upgraded database security, enabling HIPAA compliance for patient health information (PHI), by migrating PHI to **Google Cloud SQL**.

PROJECT EXPERIENCE

Investment Inferencing - Python, Next, Node, GCP　　　　　　　　　　　Sep. 2024 - Oct. 2024

- Deployed short-term trading model, simplifying 7+3 day stock analysis, by automating continuous training and deployment using **GH Actions**.
- Integrated graph for multi-model viewing, supplementing analysis on the model trained by different datasets, by visualizing all inferences using **react-chartjs-2**.
- Prepared exogenous training data, enabling short term inferencing, by using **Pandas** to back-shift Exponential Moving Averages (EMA) by 1 day.

AI Repository Tools - Python, Node (TS), React　　　　　　　　　　　　Sep. 2024 - Sep. 2024

- Simplified API authentication and setup, improving developer workflow, by deploying CLI to verify user credentials and automate repository indexing with **Python**.
- Automated change log generation, reducing need for manual documentation, by leveraging **Github API** to route version differences and context LLM prompt completion.
- Supported LLM observability, improving repository indexing debuggability, by listing RAG-prompted content to **React** table component.

E-Commerce App - Node, GCP, MySQL, Figma　　　　　　　　　　　　　Aug. 2023 - Dec. 2023

- Migrated inventory management, improving query monitoring and database maintenance, by batch-transferring data to **MySQL** server.
- Regulated server traffic, preventing excessive spam requests and DDOS attempts, by pooling and timing out MySQL connections with **Node**.
- Designed website wireframe, supporting frontend development for improved user navigation, by designing page and component specifications with **Figma**.

Project Management App - Java, Oracle DB　　　　　　　　　　　　　　Jan. 2023 - May. 2023

- Lead 7-member development team, developing project management tools, by providing task flexibility and organizing individual syncs to support developer needs.
- Managed database schema, enabling task tracking insights, by visualizing design requirement with **Lucidchart**.
- Developed signup and login component, promoting account security, by employing Argon2 password encryption with robust configurations.

EDUCATION

California State University Stanislaus　　　　　　　　　　　　　　　　　Turlock, CA
Computer Science, B.Sc　　　　　　　　　　　　　　　　　　　　　　　　Aug. 2022 - Dec. 2023

- Coursework: Software Engineering, Ecommerce System Design, HCD, AI/ML, Data Structures & Algorithms.
- ECs: VP @ Computer Science Club, Hack Merced @ UCM, Research Student @ Compute Research Association.