

Mei Zhang

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EDUCATION

California State University Stanislaus

Bachelor of Science in Computer Science

Turlock, CA

Grad. December 2023

- **Software Development Coursework:** Software Engineering, Ecommerce Systems Design, Human-Centered Design, Android Mobile Application Development
- **AI/ML Coursework:** Artificial Intelligence, Research Methods (Topic: Machine Learning Approaches in Bioinformatics), Seminar in Computer Science (Topic: Loop Tiling Compilation)
- **Theory Coursework:** Coding and Information Theory, Theory of Algorithms, Cybersecurity

TECHNICAL SKILLS

Languages: Python, MySQL, Java, HTML/CSS, Javascript/Typescript, PHP, Kotlin, C/C++

Libraries: React.js, Flask, JUnit, Swing, NumPy, TensorFlow, Scikit-Learn, Pytorch

Services & Frameworks: Figma, REST API, Angular, Apache Tomcat, GCP, AWS, git

PROJECT EXPERIENCE

Financial Management Web Application

April 2023 - Present

- Developed a React-based web platform for automating financial data management; leveraging react routers to compartmentalize page components and optimize reload speed.
- Accommodated for server resource limitations by developing a client-side function to process user transaction history. A GET HTTP request is made to call the server API and return user data from MySQL. The data is parsed and quick-sorted via Javascript.

Team Management Web Application

January 2023 - May 2023

- Enhanced progress-tracking functionality by integrating Apache Tomcat servlets to support JSP and visualize data via HTML/CSS.
- Increased platform security by one-way hashing (SHA-256) user login information using Java's security package. The data is later transferred via JDBC in a limited-access MySQL database for later validation.

Discord AI Chat Bot

June 2022 - August 2023

- Integrated OpenAI's gpt-3.5-turbo model in a Discord bot to interact with users via Discord.py API event-handlers.
- Implemented conversational coherence using Python's mysql.connector to log user-AI conversation history in a user-unique table. Conversation data is later prompted back into the OpenAI model for referencing.

LEADERSHIP EXPERIENCE

Computer Science Club | CSU Stanislaus

Vice-President

Turlock, CA

March 2023 - Present

- Facilitated meeting cohesiveness by leading meeting agendas organized by fellow office members; using public speaking skills and presentation skills.
- Helped prepare members for technical careers by hosting Leetcode workshops and mentoring members how to solve problems.

Software Engineering Class | CSU Stanislaus

Lead Developer

Turlock, CA

January 2023 - May 2023

- Delivered a team-management product by leading a seven member team through the SDLC and providing an agile-based plan with weekly syncs to resolve technical issues.
- Promoted software maintainability by assigning team members to contribute their expertise to development documents.

WORK EXPERIENCE

Kazlin Infinite Care LLC.

RCFE Caregiver

Merced, CA

March 2023 - December 2023

- Prepare and pass medication to residents at prescribed times, maintain workplace sanitation standards, document changes to resident's health, and accommodate services for resident disabilities.