TeI(Evan) Chang

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EDUCATION

SANTA CLARA UNIVERSITY   **SANTA CLARA, CA**
Bachelor of Science in Computer Science, Computer Engineer and Math Minors   **Sep 2021-June 2025**
Relevant Courses: Artificial Intelligence, Data Science, Object-Oriented Programming, Algorithm, Data Structure, Applied ML

TECHNICAL SKILLS AND LANGUAGE

- **Programming Languages:** Java, Python, C/C++, C#, JavaScript, SQL, MySQL, HTML, SWIFT
- **Technical:** MatplotLib, Pandas, Pytorch, Numpy, Scikit-learn, REST APIs, Spring Boots, React.js, Docker, Kubernetes
- **Focus:** Backend Development, Machine Learning, Data Science, Deep Learning, Data Mining, Functional Programming
- **Languages:** Native fluency in English and Chinese(Mandarin)

PROFESSIONAL EXPERIENCES

SILICON, INC. | JAVA SOFTWARE DEVELOPER TRAINEE | MILPITAS, CA   **JUNE 2025-PRESENT**
- Built backend features with Java Spring Boot, implementing secure authentication and authorization with JWT to strengthen system reliability and protect sensitive data.
- Designed and deployed an API Gateway for request routing, load balancing, and service discovery, boosting scalability and microservice communication.
- Partnered with frontend developers and project managers to define requirements and deliver solutions that improved user experience and streamlined workflows.

SANTA CLARA UNIVERSITY | TECHNICAL SERVICE ASSISTANT | SANTA CLARA, CA   **MAY 2024-June 2024**
- Utilized SQL to maintain and update SCU's library database of 50,000+ records, ensuring efficient organization and accessibility of information resources for users.
- Assisted library staff in the ongoing process of updating and integrating government documents into the library's collections, ensuring compliance with archival standards and reducing cataloging errors by 20%.
- Provided technical support to a team of 20 employees by developing and optimizing Excel command sequences for data sorting, analysis, and reporting and streamlining team operations.

DuPont | TECHNICAL SUPPORT INTERNSHIP | HSINCHU, Taiwan   **JUNE 2023-Aug 2023**
- Designed and implemented an AI camera bot that scans the safety gadgets of workers in the lab, significantly enhancing compliance monitoring and reducing manual inspection time by 70%.
- Led training and awareness initiatives within DuPont's Internship Program, attended by over 1,000 employees on key tools and technologies, earning 1st place in the Internship Program Competition.
- Provided technical support to a team of 20 employees by developing and optimizing Excel command sequences for data sorting, analysis, and reporting and streamlining team operations.

PROJECTS

FULL-STACK ONLINE ORDERING SYSTEM | (JAVA, MYSQL DATABASE, SPRING BOOTS, JAVASCRIPT)   **JULY 2025-PRESENT**
- Implement secure user authentication using Spring Security and JWT, enabling token-based session management.
- Develop login and registration endpoints with encrypted password storage(Bycrypt) to ensure compliance with security.
- Engineer scalable RESTful APIs in Spring Boot to handle order and user workflow.
- Used MySQL as the primary database engine with JPA/Hibernate object relational mapping.

ERGONOMIC RISK DETECTION RESEARCH | (PYTHON, JUPYTER)   **APRIL 2025-Jun 2025**
- Led the design and execution of a model evaluation/multi-benchmarking reinforcement learning research project.
- Manage and analyze the training process for multiple algorithms over 200,000 sensor conditions.
- Developed evaluation framework to access algorithmic performance, determining ICU setup lacked discriminative power
- Collaborated with a cross functional team to integrate findings into a comprehensive research paper.

AI MOTIVATION WEB APP | (OPENAI, PYTHON, HTML)   **SEP 2024-Dec 2025**
- Building AI assisted web applications to generate daily motivation texts, enabling personalized encouragement.
- Implement a responsive HTML/CSS interface with accessibility standards to ensure seamless cross-device usability.
- Integrate natural language processing technique to interpret free-form text inputs and convert them into structured queries.
- Integrate OpenAI API to process natural language inputs, enabling users to describe tailored motivational needs.

LEADERSHIP EXPERIENCE

ALPHA PHI OMEGA PROFESSIONAL SERVICE FRATERNITY - Vice President Of Membership   **FEB 2024-Jun 2024**
- Coordinated the planning and execution of membership recruitment and pledge programs, ensuring smooth onboarding and engagement for all new and existing members.
- Appointed Pledge Master, overseeing the creation and execution of the pledge education program, ensuring the effective integration of fraternity values and service principles
- Managed a comprehensive member database, maintaining accurate records for over 100 active and alumni members.