Jacob Wong

jacobsunsetbluff@gmail.com | (626) 384-6780 | linkedin.com/in/jwong236 | github.com/jwong236

EDUCATION

University of California Irvine   Sept 2022 - June 2024
- Bachelor of Science in Computer Science | GPA: 3.6
- Related Coursework: Project in DB & Web Apps, CS Capstone Project, Machine Learning and Data-Mining, Data Structures, Information Retrieval, Linear Algebra, Computer Organization

WORK EXPERIENCE

Full Stack Developer   Jan 2024 - July 2024
SAP | Newport Beach, CA
- Led the development of Enterprise Metric Analysis Tool (EMAT), generating insights from 7 key metrics to drive data-driven retrospectives.
- Identified a 200% bug spike linked to a pull request and presented insights, prompting root cause analysis and prevention strategies.
- Demonstrated EMAT to 100+ attendees at UCI's ICS fair and SAP's scrum teams.
- Integrated & analyzed 12+ months of sprint data from Hyperspace Portal, Jira, GitHub, deriving new engineering productivity metrics (e.g., bug count, turnaround time, meeting sentiment).
- Gathered feedback and identified bottlenecks through two months of interviews, weekly retrospectives, and sprint planning with scrum teams, mentors, IT, and related departments.
- Refined full-stack development skills (React, Flask, jQuery) through two Agile & CI/CD lifecycles, applying Design Thinking principles and DevEx and DevOps frameworks like DORA & SPACE.

PROJECTS

Restaurant Authority Network
- Designed a self-feeding, multi-threaded pipeline aggregating 100,000+ restaurant citations.
- Applied ML models & search APIs to evaluate credibility based on backlinks and content.
- Improved NER model recognition accuracy by 80% with cross validation and fuzzy searching.
- Published 80 MB of data on Kaggle for public usage, contributing to open-source data available.

Movie Search Engine WebApp
- Built a movie search engine web app of 30,000+ movies using React and Spring Boot.
- Stored 110 MB of data in a MySQL database with active-passive replication.
- Secured authentication with Spring Security, HTTPS, reCAPTCHA and password encryption.
- Managed a 4-cluster AWS deployment with Docker and Kubernetes, utilizing a containerized frontend, backend, and database services for scalability and reliability.

SKILLS

- Languages: Python, C++, Java, SQL
- Technologies: Flask, React, Springboot, Spring Security, ORM, MySQL, Postgres, Multithreading
- Tools and Platforms: AWS, Kubernetes, Docker, JMeter, Heroku, Web Scraping