Yu-Tang Shen

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Objective

Passionate and committed software engineer with a Master's degree in Computer Science. Proficient in JavaScript, React, SQL, Java, and Python. Skilled in data structures, algorithms, and problem solving.

Education

Master's, Computer Science | *San José State University* | CA, USA May 2023

Bachelor's, Computer Science | *The Chinese University of Hong Kong* | Hong Kong May 2019

Professional Experience

Machine Learning Intern June 2022–August 2022
Pure Storage Mountain View, CA

- Estimated products' lifetime with a 3-month error margin with a customized NLP model

Machine Learning Engineer January 2021–August 2021
Winbond Taiwan

- Enhanced efficiency by 200% by extracting keywords in news and visualizing trends
- Visualized patent relationships with a JavaScript website and Neo4j graph database

Software Engineer July 2019–November 2019
Cellmax Life Taiwan

- Improved worker efficiency by 96% and increased accuracy with the report generator project
- Boosted efficiency on data querying by 98% with the MySQL database

Projects

Personal Website

- Presented an interactive website with React including scrolling animation, modal, and adaptive layout
- Ensured scalability by separating the data and logic layers

Patent Visualization *Winbond*

- Constructed a Neo4j graph database for patent visualization
- Built a website with JavaScript to query patent relationships and to visualize correlations

Report Generator *Cellmax Life*

- Developed a GUI application that queries data using Google Sheets API and renders medical reports
- Adopted multi-thread processing to boost performance, reducing runtime by 60%

MySQL Database *Cellmax Life*

- Designed and implemented a MySQL database satisfying medical regulations and BCNF
- Delivered a responsive front-end interface with Vue.js for users to access the database

Relevant Skills

Programming languages JavaScript, React, Node.js, SQL, HTML, Java, C, Python, Shell script
Technology and tools Git, Agile Methodology, Docker, RESTful APIs, Kubernetes, AWS, GCP