Wei-ho Uang

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EDUCATION

BS. Computer Science   Dallas, TX | May 2025
UNIVERSITY OF TEXAS AT DALLAS
Coursework: Data Structures and Algorithms; Operating Systems; Software Testing; Advanced Networking

PROFESSIONAL EXPERIENCE

CONSULT YOUR COMMUNITY | SOFTWARE ENGINEER   Dallas, TX | Jan 2024 - Present

- Built CYC's website using **React** and **TypeScript**, enhancing user interface and experience, which led to a 30% increase in user engagement and interaction on the platform.
- Implemented a role-based access control system within the website, ensuring secure and authenticated access.
- Developed and integrated a scalable content management system (CMS) using React, allowing non-technical team members to update website content easily, reducing the time spent on updates by 50
- Optimized website performance and load times by implementing best practices in coding and utilizing efficient data fetching techniques, achieving a 90% score on web performance benchmarks.

ACM UTD | SOFTWARE ENGINEER   Dallas, TX | Jan 2023 - May 2023

- Led the organization of HackUTD, one of the largest hackathons in the US, by coordinating with sponsors, managing logistics, and implementing promotional strategies, resulting in a record-breaking attendance of over 1,000 participants.
- Spearheaded the development of an innovative internal project for ACM, utilizing **Python** and **Flask**, to enhance member engagement through a custom event management and notification system, leading to a 25% increase in active participation.

PROJECTS

DERMAI (GRAND PRIZE $1000 IN PRIZES) ↗   CoreML, Swift, SwiftUI ,Tensorflow, Python

- Developed DermAI using advanced machine learning algorithms to detect and manage skin conditions, including cancers, democratizing skincare access
- Enhanced DermAI user experience by providing personalized reports with risk assessments, specialist recommendations, and actionable insights, promoting informed healthcare decisions

ROAM ↗   Python, Flask, React, MongoDB, Swagger

- Developed a travel assistance application providing live updates on gate changes, baggage claims, etc
- Implemented a feature for users to track, review past and upcoming flights

TRADING PLATFORM ↗   C, C++

- Created a simulation platform in C++ for testing and refining algorithmic trading strategies
- Incorporated order matching, market data streaming, and portfolio management to simulate real trading
- Utilized Boost libraries and implemented multi-threading for simulating concurrent trading activities

SQLITE LIBRARY SYSTEM ↗   JavaScript, SQLite, React

- Developed an intuitive UI for easy access to library functions such as book checkouts, returns, etc
- Established a comprehensive membership system for managing patron registrations and borrowing histories

SKILLS

Languages: Java, Javascript, Typescript, Python, C , C#, C++, HTML/CSS, Assembly language, tailwind CSS, SQL
Framework: React, Node.js, Flask, FastAPI, SwiftUI
Libraries: pandas, selenium, pytorch, skLearn, tensorflow, OpenCV,Requests, Numpy, antd