

JIA-YIN(JOYCE) FU

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PROJECTS

UNLMED — AI-Powered Sports Injury Prevention App

Feb. 2025 - Jun. 2025

- Designed user interface and experience using Figma for wearable-integrated sports app.
- Created interactive prototypes for athlete, trainer, and coach dashboards.
- Collaborated with team to align UI/UX designs with AI-driven injury prevention and recovery features.
- Working towards a fully functional mobile application for real-world use.

ReadyRecipe — Recipe Ingredient Delivery Platform

Sep. 2024 - Jan. 2025

- Designed a smart cart to prioritize user control, allowing selective purchasing of missing ingredients.
- Created a real-time tracking UI to enhance system visibility and reduce user anxiety during delivery.
- Optimized responsive layouts to ensure visual consistency and seamless navigation across all devices.

Joystick Journal — Game Review Platform

Sep. 2024 - Jan. 2025

- Front-end developer: implemented responsive UI with HTML, CSS, and JavaScript.
- Integrated with Node.js backend to fetch game data, submit reviews, and manage user interactions.
- Developed interactive features including search, rating system, and user comments for better engagement.

U.S. Police Shooting Demographics Analysis, Web Design

Sep. 2023 - Dec. 2023

- Developed a web application using JavaScript, CSS, HTML, and MySQL to analyze U.S. police shooting demographics.
- Created dynamic tables to display demographic data (age, gender, race, etc.) and a user-friendly interface that enables intuitive and effective data interaction and visualization.
- Implemented user login authentication and recorded search history for user reference.

EDUCATION

New York University, Tandon School of Engineering

New York, NY, USA

M.S. in Computer Science

Sep. 2025 - May 2027(expect)

- **Related Courses:** Human Computer Interaction , Information Visualization, Intro to Operating Systems, Penetration Testing and Vulnerability Analysis

San Francisco State University

San Francisco, CA, USA

Feng Chia University

Taichung, Taiwan

M.S. in Computer Science (Dual Degree)

Sep. 2021 - May. 2025

- **Related Courses:** Human Computer Interaction, Software Development, AI Entrepreneurship, Intro to Web Software Development, Algorithms, Ethics, Comm & Software Dev (GWAR).

EXPERIENCE

Founder – Joyce Dream Shop, Taiwan

Sep 2021 – Jun 2023

- Established an e-store that sells K-pop merchandise, achieving an average of 200 shipments and US\$7,000 in revenue per month, and 10% revenue growth in two years
- Use Python and machine learning methods to process and analyze product data, identify popular product combinations, and increase revenue; use Excel to summarize and visualize customers and sales

TECHNICAL STRENGTHS

Web Development JavaScript, HTML, CSS, React, Node.js, WordPress

Languages Python, SQL, Java, C, C++, MATLAB

Tools & Design Git, Figma, MySQL, PyTorch, Linux

Cybersecurity Kali Linux, Metasploit, Vulnerability Scanning