

JIA-YIN(JOYCE) FU

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PROJECTS

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- 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.
- 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.
- Linux File System Implementation, Operating System** *Mar. 2024 - May. 2024*
- Developed a fully functional block-based Linux file system with custom volume control block and inode management, efficient file management, and interactive command-line interface
 - Optimized file operations with a buffer layer, directory management, and bitmap-based space tracking
- 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

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- New York University, Tandon School of Engineering** *New York, NY, USA*
M.S. in Cybersecurity *Sep. 2025 - May 2027(expect)*
- **Related Courses:** 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:** Intro to Web Software Development, Human-Computer Interaction, Software Development, AI Entrepreneurship, Algorithms, Ethics, Comm & Software Dev (GWAR).

EXPERIENCE

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- 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

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| Programming Languages | Python, Java, C, C++, C#, JavaScript, HTML, CSS, SQL, MATLAB |
| Toolkits | Node.js, PyTorch, MySQL, Git, Figma |
| Specialty Areas | Web Development (Frontend/UI Design),
Cybersecurity (Risk Assessment, Vulnerability Scanning, Penetration Testing) |