Yun Chen (Joanna) Lin

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Summary

Software engineer with internship experience at TSMC building internal analytics tools for 10+ products.
Full-stack experience with React, Node.js, Firebase, and Supabase. F-1 STEM OPT eligible starting July 2026.

Education

Purdue University, West Lafayette **2022 - 2026, OPT Start: July 2026**
Bachelor of Science (BS) in Computer Science GPA: 3.59/4.00
Minor in Business Economics

Technical Skills

Languages: JavaScript, TypeScript, Python, SQL, Java, C++
Frameworks/Libraries: React.js, Node.js, Material UI, Flutter
Backend/Database: Firebase, Supabase, PostgreSQL
Tools/Platforms: Git, GitHub, Apache Superset

Professional Experience

Corporate Application & Platform Development Intern, TSMC, Taiwan **Jul - Aug 2024**

- Streamlined weekly **cross-functional product reviews for 20+ product lines** by engineering internal analytics dashboards in **Apache Superset**, significantly increasing visibility into critical approval and status data
- Optimized product review workflows and trend analysis by synthesizing **10,000+ operational records** into actionable data visualizations
- Collaborated with a 3-engineer agile team to iterate on internal data tools based on stakeholder feedback

TAI -VEX League Session Platform: Web Developer (Freelance), AST, Taiwan **May - Aug 2023**

- Architected a **React, Node.js, and Firebase** web platform for TAI-VEX competition operations and coach communication for a VEX robotics competition hosted by the American School in Taichung
- Built an admin console with **role-based views**, **status tracking**, and **real-time updates** supporting **36 teams and 200+ participants**
- Enhanced live-event accessibility by deploying a responsive UI that ensured high-performance mobile and tablet functionality for judges and coaches during active competition sessions

Advanced Commission Calculator: Software Developer (Freelance), eXp Realty, Remote **Feb - May 2022**

- Engineered a JavaScript web application to **automate complex commission calculations** for real-estate transactions, including GST, tiered pricing logic, referrals, and team splits, with PDF/CSV export
- Built responsive UI components handling edge-case financial inputs, ensuring calculation accuracy across varying commission structures

Projects

Streak Sprites: Full-Stack Developer, Course Project: Software Engineering II **Jan - May 2026**

- Building a **Flutter mobile app** backed by **Supabase Auth, PostgreSQL, Realtime, and Storage** for parent/child chore management and reward tracking
- Implemented task management features including due dates, recurring tasks, multi-child assignment, and configurable rewards with supporting backend schema and logic
- Facilitating **Agile development as Scrum Master** for a 4-person team, leading sprint planning to ensure timely feature delivery

Boiler Compass: Full-Stack Developer, Course Project: Software Engineering **Jan - Apr 2024**

- Developed a **React web application** for Purdue students to plan and visualize multi-semester degree paths more efficiently than spreadsheet-based workflows
- Integrated secure Purdue email-based **Firebase Authentication** and designed **reusable UI** components to ensure system scalability and access control
- Contributed to a **6-person Scrum team** by translating user stories into technical requirements and delivering full-stack feature implementations through iterative sprints