

# Yu-Chen(Cindy), Liu

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Highly efficient Front-End Engineer specializing in React.js and TypeScript. Drives performance optimization and robust code quality across large-scale projects. Leverages modern tools, including AI, to accelerate development velocity and enhance problem-solving efficiency. Proven collaborative skills in fast-paced, dynamic team environments.

## Work Experience

### Front End Engineer, CyberLink

10/2024 - Present

- Engineered and delivered high-impact, large-scale core features for **MyEdit**, CyberLink's core flagship editing product, including high-traffic SEO optimized homepages and Editor AI tools.
- Deeply leveraged React.js and JavaScript (JS) to architect scalable UI components, focusing on optimizing component performance and ensuring intuitive UI/UX design across complex workflows.
- Integrated GA and multi-source data via APIs to streamline business intelligence (BI) reporting and automate key workflows, successfully cutting marketing analysis time by 86% and boosting reporting efficiency >97%.
- Implemented strict coding standards and enhanced codebase quality by leveraging ESLint and Prettier for static analysis, ensuring code consistency and reducing potential bugs.
- Orchestrated seamless cross-functional collaboration (RD, PMs, QA, Designers), achieving excellent MBO reviews and ensuring precise, on-time project delivery.

### Software Quality Assurance Intern, MOXA

07/2023 - 08/2023

- Developed an automated QA tool using Python for embedded systems, demonstrating strong automation skills.
- Conducted system-level validation across multiple OS environments, reinforcing attention to detail.

### Research Assistant, National Center for High-Performance Computing

05/2023 - 02/2024

- Spearheaded research on Multi-access Edge Computing (MEC) and advanced network architectures (5G/6G), demonstrating a passion for emerging technologies.
- Analyzed the integration of complex systems (e.g., LEO satcom), showcasing advanced analytical and problem-solving skills.

### Web Programming Course Teaching Assistant, National Central University

03/2023 - 06/2023

- Assisted professors and mentored students on core Web Programming concepts, enhancing communication skills.

### Front End Developer Intern, CAI-YO ENTERPRISE CO., LTD

03/2020 - 09/2021

- Gained foundational 1.5 years of practical front-end development experience, focusing on UI/UX implementation and basic API integration

## Education

### National Central University, Master's Degree

09/2022 - 07/2024

Information Management

3.97/4.30 GPA

### National Taiwan Normal University, Bachelor's Degree

09/2018 - 07/2022

Technology Application and Human Resource Development

3.97/4.30 GPA

## Skills

- |                         |  |
|-------------------------|--|
| • Frontend Development  | React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS |
| • Programming Languages | C, C++, Python, Node.js  |
| • Development Tools     | Webpack, Babel, Git, Docker, CI/CD, Linux                                |
| • AI/Productivity Tools | Copilot, Claude Code, AI-Driven Code Acceleration                        |

## Projects

### BonBun Pastry Studio - Modern Artisanal Pastry E-commerce Platform

Founder | Next.js | React | TypeScript | Tailwind CSS | Supabase

- Developed responsive frontend with **Framer Motion** and **Zustand** for state management, delivering a smooth and intuitive user experience.
- Implemented core e-commerce features including shopping cart, wishlists, coupon system, and a streamlined checkout process.
- Integrated **JWT authentication** and created a comprehensive admin dashboard for product CRUD, order processing, and customer management.
- Successfully elevated brand presence and expanded sales channels, significantly optimizing operational efficiency.

### Holly World V2.0 - E-commerce Platform

Founder | Next.js | React | TypeScript | Tailwind CSS | Supabase

- Migrated platform to Next.js 13/React 19 (SSR/TanStack Query), reducing **First Contentful Paint (FCP)** by 50%.
- Enforced end-to-end type safety and validation using **TypeScript** and **Zod**, reducing runtime errors by approximately 40%.
- Maintained code quality via **Jest** for testing and **Husky** for pre-commit hooks.
- Engineered custom **Node.js scripts** to automate product data validation and image synchronization, eliminating manual workflows and boosting maintenance efficiency by 70%.