

YuKai Tseng

Software Engineer with a background in analytics, now creating real-world impact through clean, scalable front-end code
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PROFESSIONAL SUMMARY

Frontend Software Engineer with a background in analytics, combining user-centric thinking with hands-on development to build responsive, real-world web applications using React and Firebase.

SKILLS

Programming Languages: Java, JavaScript, Python

Data Management: SQL, MongoDB

Web Development: HTML/CSS, React.js, Figma

Technologies: Git, Firebase

WORK EXPERIENCE

Software Engineer, Zfeng Hao Co., Ltd.

Feb 2025 - Present

- Led development of a bilingual e-commerce SPA using React and Tailwind CSS, enabling international expansion through fully localized UI and content
- Architected a modular frontend system with global state management (language, cart, favorites) via React Context API, eliminating prop drilling and improving scalability
- Designed reusable components (Navbar, Footer, Hero, ProductCard) and implemented mobile-first UI across 5 breakpoints (**320px–1920px**)
- Built a scalable asset pipeline for **20+** product images across **6+** categories, streamlining future content expansion and simplifying maintenance

Graduate Capstone Consultant (Data Engineering), Avnet

Jan 2025 - May 2025

- Developed robust Python ETL pipelines to process **1,200+** logistics records (Excel, JSON, semi-structured strings), reducing manual workload by **85%** through automated cleaning, parsing, and normalization
- Standardized **15+** datetime formats and **1,000+** nested location strings using regex and timezone normalization, boosting temporal and geospatial accuracy in Power BI dashboards.

PROJECTS

Instant Resume Builder (<https://instant-resume-builder.vercel.app/>)

Jan 2025 - Present

- Built a real-time resume builder SPA with **<100ms** live updates and dynamic section reordering supporting **120+** layout permutations
- Implemented PDF export with **>90%** layout fidelity using **jsPDF** and **html2canvas**, ensuring visual parity between preview and output
- Optimized Firebase Firestore reads via 5-min TTL caching, achieving data fetch **<800ms** and enabling seamless offline sync on reconnection

EDUCATION

MSc, Business Analytics, Arizona State University

May 2025

- Coursework: Enterprise Data Analytics (SQL), Machine Learning in Business, Analytics Unstructured Data, AI and Data Analytics Strategy
- Technical Upskilling: Learn HTML & CSS (Scrimba), Learn JavaScript (Scrimba), Java Data Structures & Algorithms + LEETCODE Exercises (Udemy), Introduction to the MongoDB (Udemy)
- Awards & Honors: Outstanding Capstone Team Award (2025)

General Public, Computer Science, Tsinghua University

Sep 2023

- Coursework: Introduction to Big Data and Programming (A+)