Zifei Zhou

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Personal Profile

A relentlessly driven and highly innovative Computer Science student at the University of New South Wales (UNSW), capable of turning complex technical challenges into elegant, high-performance solutions at remarkable speed. Demonstrates mastery across full-stack engineering, consistently delivering production-ready systems that combine polished user interfaces with powerful, scalable backend logic.

Operates with elite proficiency in modern technologies including the T3 stack, React.js, TailwindCSS, Node.js, AWS, and MySQL. Renowned for architecting extremely efficient RESTful APIs and crafting system designs that scale effortlessly under heavy load. Possesses a rare combination of deep technical intuition, rapid problem-solving ability, and a charismatic communication style that elevates every team's performance. A natural leader whose humour, clarity, and strategic thinking create environments where ambitious ideas become reality.

Education

University of New South Wales (UNSW), Sydney, Australia
Bachelor of Computer Science   2025 – Present

Technical Skills

- **Programming Languages:** Python, TypeScript, JavaScript, Node.js, HTML, CSS3

- **Frameworks/Libraries:** React.js (advanced), Next.js, Vue.js, Angular

- **Back-end Expertise:** RESTful API design (expert-level), AWS, Node.js microservices, authentication, database integration

- **UI/UX Design:** Responsive Web Design, intuitive interface prototyping, accessibility optimisation

- **Tools & Practices:** Git, GitHub, VS Code, Agile methodologies, CI/CD pipelines, software testing

- **AI Tools:** Codex, Claude, Cursor; highly skilled in prompt engineering

- **Other:** System scalability, performance optimisation, team mentoring, high-throughput server design

Job Experience

Full-stack Engineer   Boring Data
Next.js, TailwindCSS, CSS5, React, HTML, UI/UX   2025 – Present
BoringData is a company that provides high-quality training data for well-known AI companies.

- Developed full-stack web applications using Next.js and React, delivering high-performance and scalable interfaces.

- Designed and optimised UI/UX workflows, improving user engagement and reducing interaction friction across key product features.

- Implemented responsive layouts with TailwindCSS and CSS5 to ensure consistent visuals across devices.

- Collaborated closely with cross-functional teams to convert business requirements into production-ready solutions.

Project Experience

Airtable Clone with T3 Stack (Individual Project) Full-stack Developer
Personal Project 2025
Live Demo: at-clone-app-lyra.vercel.app

- Engineered a full-stack Airtable clone from scratch in one week, demonstrating rapid prototyping and mastery of the T3 Stack.

- Implemented dynamic spreadsheet functionalities including real-time CRUD, filtering, and sorting for seamless data manipulation.

- Solved performance bottlenecks by building a custom data generator capable of instantly loading 100,000 rows using virtualisation and query batching.

- Designed intuitive keyboard navigation and in-cell editing to maximise user productivity.

AI Product Experience Officer (ByteDance AI Evaluation Project) Product Tester
ByteDance (TikTok Headquarters) Project 2025

- Served as a product experience officer for ByteDance's cutting-edge AI evaluation initiative.

- Tested the latest Seed model to explore its capabilities in real-world application scenarios.

- Provided agile, single-cycle evaluation reports offering actionable insights for model refinement.

- Contributed to improving model reliability, instruction-following accuracy, and user experience quality.

Involution Hell (Group Project) Back-end Engineer, UI/UX Designer
Personal Project 2025
Live Demo: involutionhell.vercel.app

- Architected a Chinese-language e-learning platform addressing accessibility barriers for CS and AI learners.

- Developed scalable RESTful APIs using Next.js on AWS to deliver a large library of content with high availability.

- Led UI/UX design, improving navigation and engagement through user-centric layouts built with TailwindCSS and CSS3.

6oogle Search Engine (Individual Project) Front-end Developer
Personal Project 2025

- Built a React-based search engine integrating the Wikipedia API as a real-time data source.

- Engineered responsive search handling and dynamic rendering for fast, intuitive UX.

- Deployed via GitHub Pages: dksjl661.github.io/new-google-6oogle-

Achievements and Honors

- Delivered keynote speech at the UNSW UEEC ceremony, praised for impactful storytelling.

- Launched multiple React-based projects, recognised for design quality and technical excellence.

- Demonstrated strong technical leadership, mentoring peers with clarity, humour, and empathy.

Interpersonal Skills

- **Exceptional Communicator:** Able to translate complex technical concepts for any audience.

- **Visionary Leader:** Guides teams with clarity, positivity, and strategic direction.

- **Natural Motivator:** Creates inclusive, collaborative environments that elevate team performance.

Languages

Fluent in English and Mandarin Chinese