

# Alfie Chen

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## SUMMARY

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Information technology graduate student passionate about front-end development with substantial hands-on experience in React.js, Next.js. Keen problem solver with an ability to learn quickly and apply previous experience and novel, creative solutions to solve problems.

## EDUCATION

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### University of New South Wales

*M.S. in Information Technology*

**Sydney, Australia**

*Expected Graduation, August 2026*

### South China University of Technology

*B.S. in Electrical Engineering*

**Guangzhou, China**

*Sep 2018 - June 2022*

## PROJECTS

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### Web Overflow

*Full-Stack Web Development*

**Sole Developer**

*Jun 2024 - Sep 2024*

- Built a platform for developers to ask questions, share knowledge, and interact with a community of peers.
- Features: Server-side rendering and API routes with Next.js; Responsive design using Tailwind CSS; Dark mode support; Real-time updates, and interactions; Pagination for efficient data loading; Global search functionality; Integration with external APIs (e.g., job listings, OpenAI).
- Highlights: AI-assisted answers using OpenAI API; Markdown support for questions and answers; Badge and reputation system for user engagement.
- Performance Optimizations: Image optimization with Next.js Image component; Efficient data fetching with server-side rendering and API routes; Pagination to limit data load.
- [Github repo: https://github.com/Alfie728/weboverflow](https://github.com/Alfie728/weboverflow)

### Career Canvas

*Front-end Development*

**Sole Developer**

*Aug 2024*

- Built a website that helps people create ATS-friendly resume with ease.
- Features: Fully customizable resume builder with a modern, user-friendly interface; Implemented drag-and-drop functionality for easy reorganization of resume sections and entries; Live preview of the resume as users edit; Offers export options to common formats (Markdown and Word).
- Highlights: Built with reusable, modular components, making the codebase maintainable and scalable; Utilizes custom hooks to manage state and export functionality, promoting code reusability and separation of concerns.
- Technologies: React and Next.js for the frontend framework; TypeScript for type-safe code; Tailwind CSS for styling; Shadcn/ui for UI components; @dnd-kit for drag-and-drop functionality Docx for Word document generation; File-saver for handling file downloads; Next-themes for theme management (light/dark mode)
- [Github repo: https://github.com/Alfie728/Career-Canvas](https://github.com/Alfie728/Career-Canvas)

### Personal Portfolio Website

*Front-end Web Development*

**Sole Developer**

*Dec 2023 - Feb 2024*

- Designed and developed a responsive personal portfolio website using React and Next.js
- Features: Used Framer Motion for smooth scroll animations, and interactive components throughout the site; Utilized Tailwind CSS for efficient and responsive styling;
- [Github repo: https://github.com/Alfie728/portfolio](https://github.com/Alfie728/portfolio)

## SKILLS

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### Programming Languages

- JavaScript, TypeScript, SQL, Python, C

### Web Technologies

- React.js, Next.js, Node.js, Express, HTML5, CSS3, Tailwind CSS, Framer Motion, GSAP

### Tools & Platforms

- Git, MongoDB, PostgreSQL