

CHLOE ZHOU

SOFTWARE ENGINEER

[Chloe's Portfolio](#) | [linkedin.com/in/siyi-chloe-zhou/](https://www.linkedin.com/in/siyi-chloe-zhou/) | chloe.siyi.zhou@gmail.com | 0466-177-972

SUMMARY

A highly motivated **Computer Science graduate** from the **University of Melbourne (High Distinction)** with experience across **web development, AI-powered full-stack applications, consulting, and large enterprise system administration**.

My journey has equipped me with both **technical depth** and **leadership potential** — from **building and owning full-stack projects** to **supporting large-scale infrastructure** during a corporate **system migration**. I've developed a strong ability to **lead small teams, understand customer needs, and navigate cross-functional collaboration**.

Passionate about using technology to empower people and improve productivity, I aim to grow into a **technical leader in large organizations**, building **impactful systems** and **inclusive, people-first teams**.

EDUCATION

The University of Melbourne

Feb 2022 - Nov 2024

Bachelor of Science in Computing and Software Systems

- High Distinction (**H1**)
- Melbourne Global Scholars Award 2024
- Bachelor of Commerce Global Scholarship (**Top 50 Students**)
- Melbourne International Undergraduate Scholarship (**Top 5% International Students**)
- Melbourne Plus: People Leadership Award

SELF - ASSESSMENT

- **Tech-passionate:** I explore new technologies through hands-on projects and continuous learning.
- **Leadership-oriented:** I strive to build inclusive, people-first teams that collaborate and grow together.
- **Systems thinker:** I care about how we build, always thinking beyond the code, building better systems.
- **Empowerment-driven:** I aim to uplift others through mentoring, volunteering, and shared knowledge.
- **Vision-focused:** I'm working toward becoming a technical leader who drives innovation with empathy.

TECHNICAL SKILLS

- Proficient in HTML5, CSS3, JavaScript/TypeScript, and ES6 features.
- Familiar with **Figma** for design and prototyping.
- Experienced with the **React, Next.js** framework, with a strong grasp of Reconciler, Fiber, and Hooks principles.
- Solid understanding of **computer networking fundamentals**, including HTTP and TCP/IP protocols.
- Skilled in **Git** for version control and collaborative development, with basic familiarity in **Webpack** for module bundling, Knowledgeable in deploying applications using **Vercel**.

WORK EXPERIENCE

Bapcor Limited - System Administrator

Mar 2025 - present

Responsibility: Supported over 5,500 employees during a major **IT domain migration**. Maintained business continuity through real-time problem-solving and collaboration with multiple teams.

Tech Stack: **AD + Windows 2008 Server (DNS, DHCP, TCP/IP) + PowerShell + MS Exchange Server + ServiceNow**

- Achieved **Top 5 teammate** ranking by consistently resolving high-complexity tickets related to domain authentication and user access issues with high quality standards.
- Proactively detected and escalated **critical infrastructure and cybersecurity vulnerabilities** during daily ticket resolution, supporting early intervention by the infrastructure team.
- Created **standardized migration documentation**, improving team scalability and reducing onboarding time for new technicians.
- Actively collaborated with cross-functional teams during the dynamic migration period by **sharing real-time updates, aligning workflows**, and **proactively solving emerging issues** to ensure smooth transitions.

Virtual Adults - Full Stack Developer / Product Owner

Jun 2024 - Nov 2024

Responsibility: Led the end-to-end development of an AI-driven web platform for psychology training, combining product leadership and technical execution.

Tech Stack: **Figma + React + Express + MongoDB + Vercel + GCP + Auth0 + ChatGPT Integration**

- Delivered a high-quality **prototype** within days based on client-stated use cases, and led **Agile Scrum** processes to ensure **clear communication, rapid iteration, and timely delivery** aligned to evolving client needs.
- Reduced AI operation costs by 70% through proactive optimization, enabled **real-time AI communication** (text and voice), and achieved 99% user requirement alignment with a **smooth final handover**.

Efinity Consulting Group - Associate Strategy Consultant Intern

Aug 2023 - Nov 2023

Responsibility: Supported executives in crafting **strategic business plans** for client companies' horizontal and vertical expansion through negotiation, problem-solving, and comprehensive **market analysis**.

- Conducted in-depth industry/market analysis, culminating in an impactful **research report** that informed client decision-making.
- Delivered customized **marketing strategies**, earning commendation from executives and clients for actionable insights.
- Demonstrated adaptability by identifying growth opportunities and aligning recommendations with client objectives, driving measurable business outcomes.

Gr8 Building Service - Contract Web Developer

Feb 2023 - July 2023

Responsibility: Managed the **end-to-end** website development lifecycle using **GoDaddy** and **WordPress**, including domain registration, implementation, and maintenance.

- Designed and deployed a user-friendly, optimized website that contributed to a **20%** increase in company performance and **profits** within six months.
- Provided ongoing website maintenance and updates, ensuring optimal functionality and alignment with business goals.

PROJECTS

Packing List

Project Description: A packing list **web application** implemented using React, with **CRUD** (create, read, update, delete) features, as well as filtering and sorting functionalities.

Tech Stack: React + HTML + CSS + Vercel

- Implemented reusable components using **Compound Component** and **Render Props** design patterns.

Predictive Modeling of IMDb Scores

Project Description: Developed a **machine learning model** to predict IMDb scores for movies lacking ratings by training on a labeled dataset and applying **data preprocessing** and **model optimization techniques**.

Tech Stack: Python + Numpy + Pandas + Scikit-learn + Seaborn + Matplotlib + Plotly

- Developed and **trained** machine learning **models** (**Decision Tree**, **Logistic Regression**, and **Random Forest**) to predict IMDb scores for a movie dataset lacking scores, leveraging a separate labeled dataset for training. This involved preprocessing techniques like **data encoding**, **standardization**, and **feature engineering** using NumPy and Pandas.
- Optimized model performance by **analyzing learning curves** and **fine-tuning parameters** to mitigate overfitting. **Feature visualization** aided in this process.

Counting Up

Project Description: A **card game** with up to 4 players also involved artificially intelligent computer player in 3 different levels, random, basic and clever.

Tech Stack: Java + Gradle + JCardGame + Object Oriented Design + Design Patterns

- Exhibited strong leadership and collaboration skills by **leading a team** to refactor and enhance a digital card game, ensuring alignment with customer requirements and improving **user experience**.
- Conducted comprehensive **software architectural analysis**, including use case analysis, model design, and full implementation to streamline development phases and meet operational goals.
- Designed scalable applications using **GRASP Principles** and **GoF Design Patterns**.

VOLUNTEER

Teach For China - Rural School Teacher

Key Responsibilities:

- Developed and delivered engaging teaching materials to support the education of **underprivileged children**.
- Organized games and events to foster an **inclusive** and **supportive** learning environment for underprivileged students.
- Actively contributed to **reducing educational inequality** through targeted teaching initiatives and community engagement.

The University of Melbourne - Peer Mentor

Key Responsibilities:

- Demonstrated **leadership** by organizing and leading activities and events designed to support and engage a group of students.
- Encouraged and motivated new students to navigate and succeed in their university experience, fostering a supportive and inclusive environment.