Zhou Yuhang

+65 97771884 | zyuhang255@gmail.com | github.com/xquisite0 | leetcode.com/zhoyu255 (~900 questions)

WORK EXPERIENCE

GovTech Singapore - *Full Stack Software Engineer Intern, Transcribe*   Starting Jan 2026

GreatFrontEnd - *Software Engineer Intern*   Apr 2025 - Aug 2025

- Led the full-stack development of an AI-powered social media monitoring tool.
- Integrated AI relevancy analysis in the back-end to filter posts for follow-up with Node.js & Gemini.
- Optimised the tool's UI to increase internal team usage by over 100% with React.
- Developed AI Chat functionality in a Linear-inspired task manager with Vercel AI SDK.
- **Technologies:** TypeScript, React, Next.js, Node.js, Prisma, PostgreSQL, tRPC, Git, Vercel AI SDK

PROJECTS

Redis

- Developed Redis, an in-memory key-value database and cache, from scratch in C++.
- Supports over 16 distinct operations; Clients are processed concurrently with parallel programming.
- Wrote parsers to communicate with Redis Serialisation Protocol (RESP) messages.
- Utilises Socket Programming to create connections between clients, master servers and replicas.
- GitHub: github.com/xquisite0/redis

Pulse

- A Web Application to personalise the technical interview preparation process for developers.
- 50 developers from Singapore universities are on the waitlist.
- **Technologies:** TypeScript, React, Next.js, Node.js, MongoDB, TailwindCSS
- Live Link: pulseprime.app, GitHub: github.com/xquisite0/pulse

EDUCATION

National University of Singapore

Bachelor of Computing (Honours) in Computer Science

- Recipient of NUS Merit Scholarship

Raffles Institution   2022 - 2023

GCE A-Level Results & Preliminary Examinations

H2 Computing (A), H2 Physics (A), H2 Mathematics (A), H2 Economics (A), H1 General Paper (A),

H1 Project Work (A)

CERTIFICATIONS

Hugging Face AI Agents Course: Fundamentals

TECHNICAL SKILLS

TypeScript, PyTorch, C++, React, Next.js, Node.js, Prisma, PostgreSQL, Python, Git, Vercel AI SDK

ACHIEVEMENTS

Ranked Top 0.5% Globally for Leetcode Contests (https://leetcode.com/zhoyu255/)   2023

Participated in the National Olympiad in Informatics under Raffles Institution   2023

CSIT Computing Scholar   2022 - 2023

Canadian Computing Competition Distinction   2023