YEO YIHENG

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https://yeo-yiheng.github.io/technical-portfolio

OBJECTIVE

A driven and highly dedicated individual who enjoys the process of learning and ensures that quality of work delivered is of top standards. A problem solver and a critical thinker. Passionate about developing innovative software to revolutionize the industry.

EXPERIENCE

NUS Google Developer Student Club   **July 2023 – July 2024**
Head of Technology
• Architecting a full stack software product to aid NPOs in their missions
• Leading a team of 8 – 10 undergraduate software engineers to build a full stack web application

TikTok   **May 2023 – Aug 2023**
Backend Engineer Intern (Global Live Revenue Core)
• Developed and maintained TikTok LIVE backend microservices
• Led cross department collaboration as a tech owner for 2 feature projects, being the main PoC for the team in the entire SDLC
• Optimized feature API response time using parallelization to achieve a speed up of up to ~4x
• Performed rolling deployment, monitoring, and evaluating of technical metrics to ensure core services stability
• Supported in hot-fixes and general debugging for production issues
• Developed multiple detailed documentations to persist knowledge sharing between engineers
• **Tech stack:** Golang, Thrift, Internal Cloud Native PaaS, RPC, RESTful API, Distributed Systems, Microservices

Bytedance   **Jan 2022 – June 2022**
Software Engineer Intern (Mobile Android)
• Developed sophisticated software features for TikTok, such as message reactions and activity status
• Improved code coverage via rigorous testing and event tracking
• Contributed in bi-weekly sprints and frequent product R&D
• Refactored legacy code to improve app optimization and robustness
• **Tech stack:** Java, Kotlin, MockK, various internal APIs

Asia Hydrogen Energy   **July 2021 – Dec 2021**
Freelance Web Developer
• Developed a comprehensive website for a hydrogen energy start-up based in Taiwan
• Utilized Webflow to implement a responsive website using wireframes done up by a designer
• Headed the transition plan of the existing company's domain name
• Conducted and lead frequent meetings to demonstrate site progress

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE   **Aug 2020 – Aug 2024**
Bachelor of Computing in Computer Science

NUS Teaching Assistant for CS2106   **Jan 2023 – May 2023**
• Tutoring weekly tutorial sessions for introduction to operating systems
• **Notable topics:** synchronization fundamentals, memory management, file systems

NUS Teaching Assistant for CS1101S   **Aug 2021 – Dec 2021**
• Taught weekly tutorial sessions for programming methodology
• **Notable topics:** recursion, functional programming, order of growth, etc.

NUS Orbital 2021   **April 2021 – Sep 2021**
• Involved in the advanced category of software development, Apollo 11
• Developed an android navigation application known as MyWay
• Identified the social problem of navigation and provided robust solutions
• Worked with many online APIs to provide accurate real-time data for users

ANDERSON JUNIOR COLLEGE   **Jan 2016 – Dec 2017**
GCE 'A' Levels
• Attained 4 distinctions at the GCE 'A' Levels (2017)
• Represented AJC in the NTU-NUS Astro Challenge (2017)
• Attained a credit in the University of New South Wales English Competition (2016)

Leadership Experience & Awards
• Finalist in NTU IdeasJAM Hackathon (May 2023)
• Optiver Ready Trader Go Competition (Mar 2023)
• Finalist in NUS Fintech Hackathon (Jan 2023)
• Top 20 in over 300 candidates for Arctic Lake Coding Competition (Dec 2022)
• Anderson Junior College Contribution Award (2017)
• Obtained Singapore School Sports Council Colours Award for Sporting Excellence (2017)

SKILLS & INTERESTS

• Language fluency: Native in English and Advanced in Mandarin
• Programming languages: Java, Kotlin, C, Python, Golang, HTML, CSS, JavaScript, TypeScript
• Interested in parallel systems and the blockchain