POH WEI PIN
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EDUCATION

National University of Singapore   **Aug 2021 - Present**
Bachelor of Engineering

- Bachelor of Engineering - Computer Engineering (Expected Graduation: July 2025)
- Highest Distinction (1st Class Honours)
- Dean's List AY22/23 S1
- Google's Developer Student Club (Software Engineer) - Development of a content management system website for Mercy Relief, a worldwide disaster relief NGO with Next.JS, HTML, and CSS.
- Google's Developer Student Club (Internal Tech Associate) - Conducted a Machine Learning Workshop on Neural Network and CNN for over 50 NUS students and public on Zoom (Using Google Colab & Tensorflow).
- NUS Raffles Hall Residences (RH Developers) - Involved in the development of the Hall website and web app that caters to over 400+ residents using ReactJS and CSS.

Coursework and Relevant Modules

- EE2026 (FPGA Digital Design in Verilog) - A+
- CS2040C (Data Structures and Algorithm in C++)

Millennia Institute   **Jan 2016 - Jan 2018**
Singapore-Cambridge A-Levels (Science)

- Top 10% of Student Cohort (2016, 2017 and 2018)
- Singapore HDB National Cool Ideas Competition (3rd Place) (Noise Monitoring System Prototype built using Arduino, Programmed with C++)
- West Zone Student's Science Symposium (Won the most innovative award under the national pre-university category)

WORK EXPERIENCE

Motional, Software Engineering Intern   **May 23 - Present**

- Optimized software deployment process by integrating UDS (Unified Diagnostic Services) into AV deployment agent using C++, resulting in a significant improvement in deployment speed through efficient multithreading techniques.
- Actively collaborated with cross-functional teams, including international engineers, to ensure seamless communication and successful project outcomes.
- Demonstrated expertise in software quality assurance by designing and implementing robust unit tests with high coverage, contributing to overall effectiveness and reliability of software.

Autove Pte Ltd - Project (Software Engineering), Intern   **May 22 - Aug 22**

- Building of company's proof of concept web app from scratch using Google's Flutter, Node.js, Telegram Bot, and Firebase.
- Involved in communicating the company's business idea and goals with industry partners in Singapore startup launchpad @ One-North during JTC's Tech Fiesta 2022.
- Established comprehensive end-user documentation in robot integration, set-up, authentication, and deployment of our in-house developed software solution.
- Prepared translated API Documents (Mandarin to English) and communicated with our overseas partner in robot integration and backend support.

PROJECTS

InternWiz - Personal Project   **May 23 – Present**
- Developed an innovative platform streamlining internship applications through AI-driven personalized cold emails, supported with seamless and automated resume parsing
- Managed end-to-end development of frontend (Typescript & CSS) and backend of platform
- Empowered users with access to a vast database of over 4000+ Singapore startups through an infinite scrolling dashboard with filtering options and one-click exploration of relevant information

Google's Student Developer's Hack4Good Hackathon 2023   **Feb 23 - Feb 23**
- Led a team in development of an online platform for companies and PWDs to conduct web accessibility testing and assessment
- Created the Figma UI prototype from scratch, developed the platform's frontend with Next.JS framework, and lastly, designed the API backend server of the platform with Node.JS, Express, Google Cloud Function, and Firestore technologies

DSTA CodeEXP Hackathon 2022   **May 22 - Jun 22**
- Built an all-in-one lifestyle service mobile application for Singapore's National Servicemen using Google Flutter and Firestore

PROFESSIONAL CERTIFICATION

- Certified Google Cloud Associate Cloud Engineer
- Dec 2020 - Present
- https://www.credential.net/4f26c23e-8ba0-4033-9452-7a79e7dbbb96

ADDITIONAL INFORMATION

- Languages: Proficient in English and Mandarin, Elementary in Malay, C++, Python, C, React.JS, HTML, CSS, Dart (Flutter), Verilog, Java, Typescript, Bash, Linux Command Line
- IT Skills: Adobe Photoshop & Premiere Pro, Microsoft Office, OOP (C++), gCloud Computing Platform, Google Firebase, AWS
- Interests: Drone Photography, Reading , Muay Thai, Trekking