

NG ZHAN WEN

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EDUCATION

National University of Singapore Aug 2023 - Present

Bachelor of Computing in Computer Science

- Expected Date of Graduation: July 2026
- GPA Score: Second Upper Class Honours/ Honours (Distinction)

Ngee Ann Polytechnic (NP)

Apr 2018 - May 2021

Diploma with Merit in Electronic and Computer Engineering

- School of Engineering
- GPA Score: 3.95/4.0
- Relevant skills learnt: Application Programming (C, C#)

INTERNSHIP & WORK EXPERIENCE

GTRIIP Pte Ltd, Full-Stack Developer

May 2023 - Jul 2023

- Coded Flutter and Swift Language to design and program Mobile Application on Android Studio and Xcode.
- Troubleshoot and fixed mobile keycard bugs occurred during on-site testing; led to smooth transition of application.
- Integrated external company software to allow Bluetooth Access to other locks.

SINGAPORE ARMED FORCES, Signal Officer

Jun 2021 - Apr 2023

- Supervised and worked with teams to complete tasks assigned
- Oversee day-to-day operations and planned for exercise operation
- Liaised between command staff and technical teams to ensure operational goals are met

Ngee Ann Polytechnic (Singapore, Singapore), Software Engineer

May 2021 - Jun 2021

- Utilized AWS services such as Lambda and Amazon S3, implementing Node.js and Python for efficient cloud computing.
- Integrated Lambda with React.js to design a user-friendly interface.
- Designed and implemented GPS services for navigation of users using google API services.
- Created Chatbot for communication between users and bot by utilizing Lambda.

ACADEMIC PROJECTS

Softsync, Project Lead

May 2024 - Aug 2024

- Created website for Enterprise Resource Planning (ERP) for business management.
- Use of React, Node.js and Vite for web development and design.
- Programmed integrated website through Visual Studio Code

Final Year Project: Lora-based Smart IoT Application, Member

Aug 2020 - May 2021

- Designed and built an electronic board to collect and transmit temperature, humidity, and movement data using EAGLE software.

- Performed in-depth data analysis of information collected through server, enabling data-driven insights.
- Evaluated feasibility of sustaining and supplying power to microcontroller unit (MCU) using contemporary technology.

EXTRA CURRICULAR ACTIVITIES

Hack4Good Competition, Project Lead **Jan 2025 - Jan 2025**

- Led a team of two to design and develop a website for the Hack 4 Good project
- Utilized Typescript, HTML, Tailwind CSS, and Firebase to develop and deploy website
- Fostered collaboration and ensured timely project delivery in a hackathon setting

School of Engineering, Student Leader **Apr 2018 - Apr 2021**

- Cooperated with a team to plan and execute school events.
- Oversee in showcasing past projects and facilities to new students.

WorldSkills Singapore Competition: Electronics, Medallion of Excellence **Jan 2019 - Dec 2020**

- Programmed various microcontrollers from STMicroelectronics by leverage Vision software with a focus on C programming.
- Demonstrated strong troubleshooting skills by identifying and resolving issues on pre-made electronic boards, diagnosing and replacing faulty components.
- Designed and fabricated electronic boards using Autodesk's EAGLE software, showcasing expertise in PCB design.

VOLUNTEER EXPERIENCE

Community Activities for Seniors with SG Cares, Assistant Leader **Aug 2024 - Present**

- Organized activities for seniors with dementia in collaboration with a student team.
- Supported elderly care at NTUC Senior Day Care Centre.
- Coordinated activity planning and ensured timely execution.
- Facilitated communication between volunteers and centre.

Values in Action Project, Member **Jul 2017 - Jul 2017**

- Collaborated with a team of students to plan an event for elderly.
- Interacted with locals of old folks homes to ensure elders are engaged.
- Ensure smooth flow of events throughout entire schedule.

ACHIEVEMENTS

- Director's List in Ngee Ann Polytechnic (2018 - 2020)
- Ngee Ann Kongsai Scholarship (2019-2021, 2023-2024)
- Xilinx Asia Pacific Prize (2021)

ADDITIONAL INFORMATION

- Programming Languages: C#, Python, Java, Javascript, Basic HTML, Basic CSS, Swift, Flutter.
- IT/ Hardware Skills: Eagle Breadboard, Basic Hardware prototyping, Microsoft Office Suite (Word, Powerpoint, and Excel).