TAN LING JEN

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WORK EXPERIENCE

Systems Engineer, Intern   **NCS Group (NCS Engineering)**   **May 2023 - Jul 2023**

- Constructed interactive front-end UI for an active web application project utilizing React.
- Developed RESTful API endpoints in ASP.NET Core and implemented error handling and response mechanisms.
- Efficiently managed systems security hardening of macOS devices for project deployments by implementing and designing bash scripts.
- Troubleshooting and maintenance of hardware systems deployed across multiple exhibitions.

Associated Skills: React, JavaScript, ASP.NET Core, C#, HTML, CSS, OS Hardening, Bash, Troubleshooting

Business Solution Team, Intern   **Panasonic R&D Center**   **May 2022 - Jul 2022**

- Managed the Requirements Analysis and System Architecture documentation.
- Co-authored the UI and Wireframe Design documentation.
- Modeled the prototyping and testing of LED display panel (Soft Soldering).

Associated Skills: Technical Documentation, Requirements Analysis, System Architecture

NSF Trainer, 3rd Sergeant   **Singapore Armed Forces (SAF)**   **Apr 2019 - Apr 2021**

- Completed the Logistics Specialist Cadet Course (Transport) and achieved 3rd Sergeant rank.
- Fulfilled the role as an NSF instructor overseeing and managing over 300 transport trainees in the School of Transport and Supply (STS Sembawang Camp).
- Completed SAF Class 3/4 Driving Course at ST Engineering Land Systems.

Associated Skills: Leadership, People Management, Effective Communication

EDUCATION

Bachelor of Engineering   **National University of Singapore (NUS)**   **Aug 2021 – May 2025**

- Major in Electrical Engineering, Specialization in Internet of Things (IoT)
- Academics: CAP 4.28 / 5.00 (Honours with Distinction)

Relevant Modules: Programming Methodology I/II (*Python/Java*), Introduction to Machine Learning (*Python*), Microcontroller Programming and Interfacing (*C*), Data Science for the Internet of Things (*Python*)

GCE A-Level   **Temasek Junior College (TJC)**   **Jan 2017 - Dec 2018**

- H2 Physics, H2 Chemistry, H2 Mathematics, H1 Economics, H1 General Paper, H1 Project Work, H1 Chinese
- Represented the college in the National Inter-School Tennis 'A' Division Championships in 2017 and 2018.

PROJECTS

Portfolio Website: https://github.com/Jen999/my-portfolio   **Jun 2023 - Jul 2023**

- Self-directed digital portfolio project showcasing work experiences, skills, and achievements.
- Learnt front-end tech stack independently and developed a functioning portfolio website to hone web development skills.
- Implemented interactive and dynamic design to enhance visual appeal and user engagement.
- Incorporated responsive and mobile-friendly design for the website to function seamlessly on different devices.

Associated Skills: React, JavaScript, HTML, CSS, Git

SKILLS & INTERESTS

- **Skills:** Python, React, JavaScript, HTML, CSS, Git, Web Development, Troubleshooting, OS Hardening
- **Languages:** English (Native), Mandarin (Proficient)