

# TAN LING JEN

■ [Ling Jen's Portfolio](#) • ☎ (+65)92776304 • [LinkedIn](#) • ✉ [tanlingjen.tlj@gmail.com](mailto:tanlingjen.tlj@gmail.com) • [GitHub](#)

## PROFESSIONAL SUMMARY

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A highly motivated penultimate year Electrical Engineering student with internship experience in software development and systems hardening. Actively looking for a software engineering internship from January 2024 to July 2024 to pursue my passion and dedication in software development.

## WORK EXPERIENCE

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*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 hardening of macOS devices for project deployments utilizing bash scripting.
- 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 Training Instructor, 3<sup>rd</sup> Sergeant* **Singapore Armed Forces (SAF)** **Apr 2019 - Apr 2021**

- Completed the Logistics Specialist Cadet Course (Transport) and achieved 3<sup>rd</sup> Sergeant rank.
- Oversaw and managed over 300 transport trainees on course 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

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*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

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**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

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