

# TAN LING JEN

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

## WORK EXPERIENCE

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| <b><i>Systems Engineer, Intern</i></b>   | <b><u>NCS Group (NCS Engineering)</u></b>  | <b>May 2023 - Jul 2023</b> |
| <ul style="list-style-type: none"><li>Constructed interactive front-end UI for an active web application project utilizing React.</li><li>Developed RESTful API endpoints in ASP.NET MVC and implemented error handling and response mechanisms.</li><li>Efficiently managed systems security hardening of macOS devices for project deployments by implementing and designing bash scripts.</li><li>Troubleshooting and maintenance of hardware systems deployed across multiple exhibitions.</li></ul> |  |                            |
| <b>Associated Skills:</b> React, JavaScript, ASP.NET MVC, C#, HTML, CSS, OS Hardening, Bash, Troubleshooting   |  |                            |
| <b><i>Business Solution Team, Intern</i></b>   | <b><u>Panasonic R&amp;D Center</u></b>     | <b>May 2022 - Jul 2022</b> |
| <ul style="list-style-type: none"><li>Managed the Requirements Analysis and System Architecture documentation.</li><li>Co-authored the UI and Wireframe Design documentation.</li><li>Modeled the prototyping and testing of LED display panel (Soft Soldering).</li></ul>   |  |                            |
| <b>Associated Skills:</b> Technical Documentation, Requirements Analysis, System Architecture  |  |                            |
| <b><i>NSF Trainer, 3<sup>rd</sup> Sergeant</i></b>   | <b><u>Singapore Armed Forces (SAF)</u></b> | <b>Apr 2019 - Apr 2021</b> |
| <ul style="list-style-type: none"><li>Completed the Logistics Specialist Cadet Course (Transport) and achieved 3<sup>rd</sup> Sergeant rank.</li><li>Fulfilled the role as an NSF instructor overseeing and managing over 300 transport trainees in the School of Transport and Supply (STS Sembawang Camp).</li><li>Completed SAF Class 3/4 Driving Course at ST Engineering Land Systems.</li></ul>  |  |                            |
| <b>Associated Skills:</b> Leadership, People Management, Effective Communication   |  |                            |

## EDUCATION

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| <b><i>Bachelor of Engineering</i></b>  | <b><u>National University of Singapore (NUS)</u></b> | <b>Aug 2021 – May 2025</b> |
| <ul style="list-style-type: none"><li>Major in Electrical Engineering, Specialization in Internet of Things (IoT)</li><li>Academics: CAP 4.28 / 5.00 (Honours with Distinction)</li></ul>  |  |                            |
| <b>Relevant Modules:</b> Programming Methodology I/II ( <i>Python/Java</i> ), Introduction to Machine Learning ( <i>Python</i> ), Microcontroller Programming and Interfacing ( <i>C</i> ), Data Science for the Internet of Things ( <i>Python</i> )                  |  |                            |
| <b><i>GCE A-Level</i></b>  | <b><u>Temasek Junior College (TJC)</u></b>           | <b>Jan 2017 - Dec 2018</b> |
| <ul style="list-style-type: none"><li>H2 Physics, H2 Chemistry, H2 Mathematics, H1 Economics, H1 General Paper, H1 Project Work, H1 Chinese</li><li>Represented the college in the National Inter-School Tennis 'A' Division Championships in 2017 and 2018.</li></ul> |  |                            |

## PROJECTS

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| <b>Portfolio Website:</b> <a href="https://github.com/Jen999/my-portfolio">https://github.com/Jen999/my-portfolio</a>   | <b>Jun 2023 - Jul 2023</b> |
| <ul style="list-style-type: none"><li>Self-directed digital portfolio project showcasing work experiences, skills, and achievements.</li><li>Learnt front-end tech stack independently and developed a functioning portfolio website to hone web development skills.</li><li>Implemented interactive and dynamic design to enhance visual appeal and user engagement.</li><li>Incorporated responsive and mobile-friendly design for the website to function seamlessly on different devices.</li></ul> |                            |
| <b>Associated Skills:</b> React, JavaScript, HTML, CSS, Git   |                            |

## SKILLS & INTERESTS

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