

Marcus Wong

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EDUCATION

Temasek Polytechnic (TP)

Apr 2023 – May 2026

- Diploma In Computer Engineering (Engineering)
- GPA: 3.0X/4.00

Institute of Technical Education (College Central)

Jan 2021 – Nov 2022

- Nitec in Microelectronics
- GPA: 3.75/4.00
- Awards: Director's List (AY2021, AY2022), Edusave Skills Award, Edusave Character Award (ECHA).

RELEVANT EXPERIENCE

Overseas Internship Programme in Japan, Fukuoka Institute of Technology May 2025 – Aug 2025

- Improved the system by developing a responsive control panel using React TypeScript, implementing real-time features to track power consumption and biological composting phases.
- Conducted university-level research on the global intersection of IoT and Sustainability, identifying key environmental parameters to optimize the robot compost prototype.
- Showcased the prototype at Osaka Expo 2025, delivering technical presentations in both English and Japanese to both international and local visitors.

Technical Intern in ASMPT Singapore

July 2022 – Sep 2022

- Conducted precision quality control and high-accuracy dimensional inspections of semiconductor components using Height Gauges and Profile Projectors, ensuring all parts met strict engineering tolerances.
- Performed system calibration and testing including Bond Force Calibration and noise interference tests using Oscilloscopes, maintaining the reliability and accuracy of critical manufacturing equipment.

Major Project: AI Anti-Theft System, Temasek Polytechnic

Oct 2025 – Feb 2026

- Enhanced functionality and reliability of an AI-based Anti-Theft Deterrence System for self-checkout counters, optimizing real-time anomaly detection and system response.
- Strengthened system security and PDPA compliance by implementing data protection measures and privacy masking to ensure ethical handling of surveillance data.

CO-CURRICULAR ACTIVITIES

Taekwondo Team Member, Temasek Polytechnic

Apr 2023 – May 2026

- Facilitated in high-impact events including the Open House and Freshman Orientation Camp (FOC), managing CCA booth recruitment and performed during Open House.
- Committed to a rigorous year-round training schedule, fostering mental resilience and collaborative performance to maintain the club's competitive standards.
- Recipient of the Full Colours Award, Sports Team Excellence Award, and CCA Merit Award (2025) for representing the institution in the POL-ITE Taekwondo Competition.

Awards & Honors

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| • Full Colours Award (Sports), Temasek Polytechnic | 2025 |
| • Sports Team Excellence Award, Temasek Polytechnic | 2025 |
| • Academic Improvement Award, Temasek Polytechnic | 2024 |
| • Director's List (Academic Excellence), ITE College Central | 2021, 2022 |
| • Edusave Skills Award (ESA), ITE College Central | 2022 |
| • Edusave Character Award (ECHA), ITE College Central | 2021 |

ADDITIONAL INFORMATION

- Proficient in Microsoft suite, Canva, basic video editing
- Fluent in English and Mandarin (both spoken and written), Limited working proficiency in Japanese
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