

MAIER TAN

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EDUCATION

National University of Singapore (NUS) Aug 2023 – Aug 2026
(Expected)
Bachelor of Mechanical Engineering

Ngee Ann Polytechnic (NP) Apr 2018 – Mar 2021
Diploma in Engineering with Business Management

- CGPA: 3.65 / 4.00

WORK EXPERIENCE

Republic of Singapore Airforce (RSAF) Sep 2022 – Aug 2023

Air Warfare Officer

- Commanded round-the-clock operations dedicated to the defence and security of Singapore's airspace.
- Directed and facilitated comprehensive training programmes for officer cadets, cultivating high standards of readiness and leadership in air defence operations.
- Planned and organised the RSAF open house, effectively showcasing the capabilities and professionalism of the RSAF to the public.

Jet Aviation (Asia Pacific) Pte Ltd Sep 2020 – Jun 2021

Project Management Office Intern / Project Assistant Manager

- Conducted thorough audits of paperwork to ensure accuracy and compliance with Civil Aviation Authority of Singapore's (CAAS) regulatory standards.
- Developed and implemented a new system to enhance operational efficiency for the project management office.
- Successfully transitioned from an intern to a Project Assistant Manager due to exemplary performance during the internship.

Nanyang Educational Consultancy July 2024 - Present

Mathematics Tutor

- Design and develop customized learning materials tailored to each student's learning pace and needs.
- Foster a positive learning environment that encourages curiosity, confidence, and critical thinking in problem-solving.

ACTIVITIES & AWARDS

National Day Parade (NDP) 2023 | Ambassador Feb 2023 – Aug 2023

- Collaborated with NDP trainers over 7 months to design and implement drills for NDP 2023.
- Managed the execution of parade activities, ensuring smooth operations and adherence to planned schedules.

Ngee Ann Canoe Club | President Apr 2018 – Mar 2021

- Actively participated in the Ngee Ann Canoe Club by planning weekly training sessions and holding monthly meetings with executive committee (EXCO) members and instructors.
- Served as President for two years and represented Ngee Ann Polytechnic in competitions, such as the POL-ITE Games and National Canoe Marathon.

Ngee Ann Scholarship Year 2018 – 2019

- Received the award for two consecutive years for demonstrating exceptional academic performance, strong core values and outstanding leadership qualities.

Chief Commissioner's Award Year 2017

- Received the Chief Commissioner Award, a national-level honour bestowed upon Scouts demonstrating exceptional leadership skills and contributions.

AeroNUS | Structural Design and CAD Lead Aug 2025 - Present

- Lead the CAD design of an electric-powered UAV for the AIAA Design Build-Fly Competition
- Utilize FEA simulations to optimize airframe while ensuring compliance with fabrication constraints
- Collaborate with aerodynamic and propulsion team to integrate structural, performance, and manufacturability requirements

SKILLS & INTERESTS

- **TECHNICAL:** Microsoft Office (Word, PowerPoint, Excel), SolidWorks (CSWA)
- **LANGUAGE (Written and Spoken):** English (Fluent), Thai (Basic) and Mandarin (Basic)