

# MAIER TAN

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## EDUCATION

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

**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 a 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)