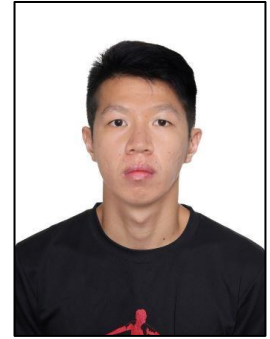


TAN PENG CHUAN DARYL

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SUMMARY

Maintenance Technician with over 5 years of experience in the Singapore Armed Forces. Specialized in both corrective and preventive maintenance of military amphibious vehicles. Trained at OETI as an Automotive Basic Technician and graduated in the top 10% of the Logistics Specialist Cadet Course, earning the Silver Bayonet award. Executed repairs under demanding conditions, supporting overseas exercises and contributing to innovation.

EDUCATION

Singapore Institute of Technology (SIT): Bachelor of Engineering with Honors in Robotics Systems	Sep 2024 - Current
Temasek Polytechnic (TP): Diploma in Microelectronics	Apr 2016 – May 2019
Institute of Technical Education College Central (ITE CC): NITEC in Electronics (Microelectronics)	Jan 2014 – Dec 2015

PROJECTS

Limo ROS Navigation (SIT) <ul style="list-style-type: none">- Using RViz to visualize the map generated by RTAB- Implemented tf2 transforms for navigation and collision avoidance- Integrated camera and encoder data for localization	May 2025 – Jul 2025
Smart Power System Generator (SAF) <ul style="list-style-type: none">- Built and programmed an automatic generator control system- Reduced downtime and improved deployment efficiency	Jul 2022 – Jul 2023

WORK EXPERIENCE

Automotive Technician (SAF)

Jul 2019 – Aug 2024

- Graduated from OETI as Automotive Basic Technician
- Completed Logistics Specialist Cadet Course: Top 10%, Silver Bayonet Award
- Maintained and repaired amphibious vehicles
- Participated in joint exercises with foreign armies
- Achieved 100% serviceability rate through preventive and corrective maintenance
- Organized and trained NSFs, achieving a 100% IPPT pass rate within the unit

SKILLS

C	C++	Python	SPIN	SolidWorks
ROS	SLAM	EKF	AMCL	tf2
tf tree	roscpp	Circuit troubleshooting	Automotive diagnostics	