

Scott Cheng

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Education

Nanyang Technological University

Aug 2023 to Apr 2027

Bachelor of Engineering. Computer Science, Second Major in Entrepreneurship, Projected Second Upper Class Honours

Queen's University

Jan 2026 to Apr 2026

Exchange Semester. Artificial Intelligence, Machine Learning, Human-Computer Interaction, Networking

Singapore Polytechnic

2019 to 2021

Diploma. Engineering With Business

Experience

Acoustics Research Lab, National University of Singapore | Part-time Research Intern

Current

Working on my NTU final-year thesis, Integrated Communications, Sensing, and Propulsion (ICSP), investigating the use of thrusters as transmitters.

Axoft | Software and Data Intern

Cambridge, Massachusetts, Jun 2025 to Dec 2025

Built hardware-in-the-loop systems for neural electrophysiology data acquisition, synchronization, and real-time processing, including a live decoding pipeline.

Singapore Armed Forces | National Serviceman

Singapore, Jul 2021 to Jun 2023

Built and maintained internal software systems for administrative process automation, reducing manual effort by 200 times.

Government Technology Agency of Singapore | Robotics Engineering Intern

Singapore, Sep 2020 to Jun 2021

Built autonomous ground vehicles with cross-fleet communications using ROS and RMF, integrated sensors and software drivers, and implemented a contact-tracing system used by Singapore's Ministry of Health.

Activities

Mecatron, Nanyang Technological University | Head

Jul 2026 to Present

Coordinate work across all teams working on autonomous submarines, boats, drones, and general robotics. Contribute directly to networking, electrical-systems architecture and implementation, power systems, communications, and PCB design, alongside research, business, finance, logistics, operations, and external relations.

Nanyang Venture Formula (NVF) Racing, Nanyang Technological University | Lead of Software and Electrical Systems

Nov 2023 to Nov 2024

Designed and assembled PCBs for vehicle sensors, dashboard, safety-stop systems, and the main vehicle control unit; served as Electrical Safety Officer and taught embedded programming and PCB design.