

LYNDON TENG

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SKILLS & ABILITIES

- Native English, Professional Mandarin, Beginner Japanese Proficiency
- Development Experience using Python, C++ and Source Control
- Data processing and Machine Learning (Pandas and Keras in Python)
- Trained in PLA extrusion-based 3D Printing, Laser (plywood) cutting, electrical soldering, and machine tooling (lathe and mill).
- Military and Non-Military Leadership

EDUCATION

Queens' College, University of Cambridge
B.A., M.Eng. Engineering

2017 – 2021

United Kingdom

The first two years cover a broad range of engineering disciplines, allowing me to develop a wide range of skills while gaining a holistic understanding of STEM's impact on multiple facets of society. Coursework included:

- Software Development in Python, Microprocessor programming.
- Structural Design Project, Conceptual product Design, Computer aided design, Machine Tooling.
- Design and build of an Electro-mechanical device and an AM radio.

The British International School, Shanghai
International Baccalaureate (IB) Diploma

2012 – 2014

China

44 out of 45 points (99th percentile), with full points in four Higher-Level subjects (Physics, Maths, Chemistry, Geography)

Built coil gun as part of Physics Extended Essay on "Dissipation of Energy in A Solenoid Braking System."

EXPERIENCE

R&D Intern, Romax Technology

Jun – Aug 2018

Nottingham, U.K

Responsible for developing a machine-learning based meta-model to augment simulation systems developed by Romax, a world leading simulation technology provider.

- Generated, processed and utilised large datasets to develop neural networks in python.
- Learnt (neural-network-specific) discrete mathematics, data representation, and experimented with methods in published literature.
- Demonstrated a 10x observed gain in simulation performance during in-house seminar, potentially saving hours of computational time and cost per simulation.

Platoon Commander, Singapore Armed Forces

2015 – 2017

Singapore

Earned commission as an infantry platoon commander in 2016 (OF-1). Directly responsible for management (training, morale and discipline) of 30 soldiers.

- Honed critical thinking and planning skills while drafting SOP for new equipment, writing a company knowledge base, and leading troops on an overseas exercise.
- Improved public speaking and presentation skills by taking on the role of Defending Officer at a General Court Martial, organising a public display at an army roadshow, and conducting battalion commander's training.
- Refined communication skills while taking and publishing minutes for battalion-level conference, conducting interviews, and liaising with external units.

Technical Operator, PIRATE3D

Feb – Apr 2015

Singapore

Responsible for conducting tests and developing metrics for certification of prototype unit.

- Learnt rapid prototyping techniques, electromechanical interface control, and product testing in a fast-paced start-up environment.

EXTRA-CURRICULARS & PROJECTS

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|----------------------|--------------------------------------|
| - EASA PPL | - Arduino Drone |
| - Japanese Ab-initio | Hackathon Projects: |
| - Rowing | - Arm MBED (IoT datalogger) |
| - Badminton | - GreenHack (Toxic Waste Classifier) |
| - Drumming | |

VOLUNTEER WORK

- Discipleship Training School (2017) - Volunteered with a global organization focused on training and equipping young people to serve needy communities around the world. Cared for children, gypsy communities, taught English at refugee centres in Europe.
- International Church of Shanghai (ICS) (2009-2014) - Led teams of peers in logistics, setup, and operation of audio/visual equipment.