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
* 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 **2017 – 2021**

## B.A., M.Eng. Engineering

*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 perspective 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 **2012 – 2014**

## International Baccalaureate (IB) Diploma

*China*

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

Wrote 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 Marital, 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

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