Larry **Law**

RESEARCHER · MACHINE LEARNING

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"Sine Finibus"

Education

National University of Singapore *Singapore*

B.S. IN COMPUTER SCIENCE & MINOR IN MATHEMATICS *Aug. 2018 - May 2022*

- Enrolled in the **University Scholar's Programme**, a multidisciplinary academic programme wherein I learn to write and think critically.
- Enrolled in the **Turing Programme**, an invitation-only NUS research programme. **Recommended by A/P Bryan Low and Professor David Hsu.**
- **Relevant Coursework**: Research Methothodology (A+), Intro to AI (A-), ML, SWE (A), DS & Algos (A), NLP (intended), IR (intended), 7/10 Math Level 1k/2k modules

Experience

DSO *Singapore*

INCOMING RESEARCH INTERN *May 2021 - Jul 2021*

- Will be researching on **understanding multi-lingual embedding** under **Dr Chieu Hai Leong** and **Dr Lim Jing.**

MapleCG *Singapore*

RESEARCH STUDENT *May 2020 - Now*

- Researched on **integrating Non-Myopic Bayesian Optimisation with Network Morphism for Neural Architecture Search**, with **A/P Bryan Low**.
- At the point of writing, this work is the first to integrate non-myopic BO with NM on NAS.
- Links: [Report] [Slides]

CS2309: Research Methodology *Singapore*

RESEARCH STUDENT *Aug 2020 - Nov 2020*

- Researched on **DuckieNet, a model which integrates planning with Semantic Segmentation for Goal-Directed Autonomous Navigation in Crowded Environments,** with **Professor David Hsu**. *(Keras/TensorFlow/PyTorch, Scikit-Learn/ numpy)*
- **Module grade: A+.**
- Links: [Report] [Demo][Code]

Projects

Basically England! Built a NLP model that detects when our professor uses filler words, for *CS3244: Machine Learning*. Team Lead for project. Project earned full marks (Median: 37/45). Links: [Report] *(Keras, Scikit-learn/pandas/numpy)*

Sumobot. Won 3rd/4th in the intra school Sumobot competition under *CS1101S: Programming Methodology*. Fight can be viewed here.

Online Courses. Machine Learning & Deep Learning (intro to CNN, NLP) by Andrew Ng, Bash guide for beginners.

Honours

2018-Now	**Peer Mentor** for USP computing freshman.
2020	Placed on the **USP Honour Roll** based on academic achievements and contributions to the USP community.
2020	**Recommended to be a USP Writing Assistant** by A/P Barbara Therese Ryan.
2010-2015	Led the Raffles Institution cross country team to the National title as **Team Captain.** Improved from failing to make the running team in 2010, 2011, 2012 to **National 2nd in the 1500m** in 2015.

Technical Skills

Languages	Python, Bash, Java, Javascript
Frameworks & Libraries	Keras/TensorFlow/PyTorch, MERN stack, Scikit-Learn/ pandas/numpy, CI/CD