

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 Methodology (A+), Intro to AI (A-), ML, SWE (A), DS & Algos (A), NLP (intended), IR (intended), most math 1/2K

Experience

DSO

Singapore

INCOMING RESEARCH INTERN

May 2021 - Jul 2021

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

MapleCG

Singapore

RESEARCH STUDENT

May 2020 - Now

- Worked 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

- Worked 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