Larry Law

CS Senior, National University of Singapore
Research Intern, DSO National Laboratories

Research Interest

- Natural Language Processing
- Deep Learning

Education

- **National University of Singapore** *Aug. 2018 – May. 2022 (expected)*
  Bachelor of Computing in Computer Science; CAP: 4.42/5
- **Raffles Institution** *Jan. 2010 - Dec. 2015*
  GCE 'A' Levels; 6/7 Distinctions

Honours And Awards

- Dean's List *Jan. 2021 - May. 2021*
- Invited to the NUS research programme (Turing Programme) *Jan. 2021*
- Placed on the University Scholar's Programme (USP) Honour Roll *Aug. 2019 - May. 2020*

Work Experience

- **DSO National Laboratories** *May 2021 - Present*
  Research Intern, supervised by Dr Chieu and Prof Lee Wee Sun
  - **Thesis Title. Co-Training for Semi-Supervised, Cross-Lingual Rationale Extraction.**
  - Reduced the rationale error rates between partially and fully supervised models by 51.7% and 50.4% for the English and French models with only 0.2% of labelled training examples.
- **National University of Singapore** *May 2020 - May 2021*
  Research Student, supervised by A/P Bryan Low
  - **Thesis Title. Integrating Non-Myopic Bayesian Optimisation with Network Morphism for Neural Architecture Search.**
  - Recommended to the Turing Programme by A/P Bryan Low.
- **AXA Singapore** *May 2019 - Aug 2019*
  Software Engineer Intern
  - Set up state management system, integrated tests and unit tests for the life insurance ecommerce product *(React, Jest, Cypress).*

Projects

- **Automatic Github Issue Labeller** *Mar 2021 - May 2021*
  CS4248: Natural Language Processing
  - **Published a Github Action that automatically labels github issues using NLP** in the marketplace.
  - **Outperforms traditional regex approaches** in F1 score (0.8723 vs 0.3634) and accuracy (0.8752 vs 0.5267) on our test set.
  - Labeller is **used by WING-NUS**, led by A/P Min-Yen Kan.
- **DuckieNet** *Aug 2020 - Nov 2020*
  CS2309: Research Methodology
  - **Thesis Title. DuckieNet: Integrating Planning with Semantic Segmentation for Goal-Directed Autonomous Navigation in Crowded Environments**
  - Recommended to the Turing Programme by Professor David Hsu.

Programming Skills

- **Languages**: Python, Bash, Java, Javascript
- **Technologies**: PyTorch/TensorFlow/Keras, Scikit-Learn/pandas/numpy, Docker, React