LYNDON CHAN

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Education

M.A.Sc., Electrical Engineering (Communications Group) 2017-present
University of Toronto Toronto, Ontario, CANADA

- Advisors: Drs. Konstantinos Plataniotis & Parham Aarabi
- Thesis Topic: *Weakly-Supervised Semantic Segmentation of Histological Tissue Type as a Decision Aid in Digital Pathology*
- Research Milestones:
  - ICCV 2019 (Mar. 2019): *HistoSegNet: Semantic Segmentation of Histological Tissue Type in Whole Slide Images* (accepted)
  - CVPR 2019 (Nov. 2018): *Atlas of Digital Pathology: A Generalized Hierarchical Histological Tissue Type-Annotated Database for Deep Learning* (paper)
  - IEEE TMI (Nov. 2018): *Focus Quality Assessment of High-Throughput Whole Slide Imaging in Digital Pathology* (paper)
  - 2018 EngSci Machine Intelligence Bootcamp (Sep. 2018): poster on *Automated Abnormality Detection in Histopathological Images with Deep Learning*

B.A.Sc., Electrical Engineering (GPA 3.64 / 4.0, 17th of 129) 2012-2017
University of Toronto Toronto, Ontario, CANADA

- Focus Areas: "Control, Communications & Signal Processing", "Analog & Digital Electronics", "Software"
- Capstone Project: *DARI: Depth-variable Augmented Reality Interface*

Skills

- **Programming Languages (most to least proficient):** Python (Keras, TensorFlow, Caffe), MATLAB, C/C++, Java, Ruby, R
- **Software:** LaTeX, Windows Shell, Wiki Markup, Jupyter Notebook (in progress)
- **Languages:** English (native), Cantonese (fluent), Mandarin (conversational)

Interests

- Research Interests: Weakly-Supervised Semantic Segmentation (WSSS), Computer-aided Diagnosis (CADx), Computer Vision, Intelligence Amplification (IA), Abnormality Detection
- Other Interests: Coding useful tools, Podcasting, Blogging, Teaching, Reading (history, philosophy), Music, Cooking, Translation, Hiking, Running, Swimming