

Yuchen Lu

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EDUCATION

- **Mila, University of Montreal** [↗](#) Quebec, Canada
Ph.D. in Computer Science; Advisor: Aaron Courville Sept. 2018 - Now
- **University of Illinois, Urbana-Champaign** [↗](#) Illinois, US
BSc. in Computer Science; GPA: 3.93/4.00 Sept. 2015 - May. 2017
- **Shanghai Jiao Tong Univeristy** [↗](#) Shanghai, China
BSc. in Electrical and Computer Engineering; GPA: 3.86/4.00 Sept. 2013 - July. 2015

INDUSTRY EXPERIENCE

- **Tuinsight** [↗](#) Montreal, Quebec
Co-Founder Dec. 2017 - Jun. 2018
 - **QSkin** [↗](#) : Lead the data collection&preprocessing, model training, and deployment of *QSkin*, a mobile app for skin disease recognition.
- **Horizon Robotics** [↗](#) Beijing, China
Algorithm Research Intern May. 2017 - Aug. 2017
 - **Adversarial Examples** [↗](#) : Investigated the cause of adversarial samples and knowledge distillation as defense strategy. Studied about the effect of label-leaking during adversarial training.

TALKS & PROJECTS

- **Paper Presentation: Re-evaluate Evaluation** [↗](#) Sep. 19, 2019
Mila, Quebec
- **Extract Hierarchy from Demonstrations with Ordered Neurons** [↗](#) June. 19, 2019
Mila, Quebec
- **Tutorial: Reinforcement Learning and Control as Probabilistic Inference** [↗](#) Nov. 21, 2018
University of Montreal, Quebec

PUBLICATIONS

- Yuchen Lu, Soumye Singhal, Florian Strub, Olivier Pietquin, and Aaron Courville. Countering language drift with seeded iterated learning (under review). In *International Conference on Machine Learning*, 2020
- Yuchen Lu*, Philip Paquette*, Steven Bocco, Max Smith, Satya Ortiz-Gagn, Jonathan Kummerfeld, Joelle Pineau, Satinder Singh, and Aaron Courville. No-press diplomacy: Modeling multi-agent gameplay. In *Advances in Neural Information Processing Systems*, pages 4476–4487, 2019 [↗](#)
- Yuchen Lu and Peng Xu. Anomaly detection for skin disease images using variational autoencoder. *arXiv preprint arXiv:1807.01349*, 2018 [↗](#)

AWARDS

- 2019 NeurIPS Student Travel Award
- 2017 Dean's List
- 2015 Outstanding Teaching Assistant Nomination
- 2014 Microsoft Imagine Cup (China) Third Prize

RESEARCH INTEREST

Deep Learning, NLP Situated Language Learning Multi-agent Learning