

Xuechen(Chen) Li

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Education

University of Toronto

TORONTO, CANADA

Bachelor in Computer Science & Statistics

Sept. 2015 –

Coursework in machine learning and theory of computation. UofT ACM-ICPC team (2016, 2017).

Cumulative GPA: 4.00/4.00

Estimated graduation: May 2019

Publication

Inference Suboptimality in Variational Autoencoders. Chris Cremer, **Xuechen Li**, David Duvenaud. NIPS workshop on *Advances in Approximate Bayesian Inference (AABI)*, 2017.

Preprint

Isolating the Sources of Disentanglement in Variational Autoencoders. Tian Qi Chen, **Xuechen Li**, Roger Grosse, David Duvenaud. <https://arxiv.org/abs/1802.04942>

Project

Light-weight Bayesian neural network library: bayesian-nn (work in progress)

A light weight Bayesian neural network library built on top of tensorflow trained with stochastic variational inference. <https://github.com/lxuechen/bayesian-nn>

Skills

Programming languages: Python, Java, C/C++, SQL, Scheme, Haskell, HTML+CSS+JS, Assembly

Technical specialties: Numpy/Scipy, Tensorflow, Pytorch, R

Natural languages: English, Mandarin, French (preliminary)

Experience

University of Toronto

TORONTO, CANADA

Summer Research Student

May 2017–

Worked on variational inference and Bayesian modeling.

Achievements and Awards

1st place of Microsoft College Code Competition at UofT

2017

Samuel Beatty In-Course Scholarship

2017

Dean's List Scholar

2017, 2016

Lawrence and Sharen Ho International Scholarship

2017, 2016, 2015

University of Toronto Scholars

2017, 2016, 2015

Teaching Assistantships

MAT135 Calculus

Fall 2017

STA257 Probability & Statistics

Summer 2016

Other Academic Fields of Interests

Algorithm Design, Operating Systems, Distributed Computing, Graph Theory, Information Theory