

SHUN DA SUO

+1 (647)389-8630 ◊ suo@cs.toronto.edu

EDUCATION

University of Toronto *Sept 2018 - Present*
MSc Student, Machine Learning
Advisor: Raquel Urtasun CGPA: 4.0/A+

University of Waterloo & Wilfrid Laurier University *Sept 2013 - Aug 2018*
BCS, with Minor in Combinatorics and Optimization
BBA, with Specialization in Finance Cumulative Average: 93.21%

PUBLICATIONS

Wenyuan Zeng*, Wenjie Luo*, **Simon Suo**, Abbas Sadat, Bin Yang, Sergio Casas, Raquel Urtasun. End-to-end Interpretable Neural Motion Planner. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition(CVPR)*, Long Beach, California, 2019 (**Oral**)

Shenlong Wang*, **Simon Suo***, Wei-Chiu Ma, Andrei Pokrovsky, Raquel Urtasun. Deep Parametric Continuous Convolutional Neural Networks. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition(CVPR)*, Salt Lake City, Utah, 2018 (**Spotlight**)

Xiaopeng Yang, Xiaowen Lin, **Shunda Suo**, Ming Li. Generating Thematic Chinese Poetry using Conditional Variational Autoencoders with Hybrid Decoders. In *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI)*, Stockholm, Sweden, 2018

Simon Suo, Ruiming Zhu, Ryan Attridge, Justin Wan. GPU Option Pricing, In *Proceedings of the 8th Workshop on High Performance Computational Finance*, Austin, Texas, 2015

WORK EXPERIENCE

Uber Advanced Technologies Group Sept 2018 - Present
Research Scientist *Toronto, ON*

- Interaction & behavior modeling for autonomous driving

Facebook Jan 2018 - Apr 2018
Software Engineering Intern *Menlo Park, CA*

- Productionizing machine learning models for news feed integrity

Uber Advanced Technologies Group Sept 2017 - Dec 2018
Research Intern *Toronto, ON*

- Perception models for autonomous driving

Citadel LLC. Sept 2016 - Dec 2016
SWE Intern *Chicago, IL*

- Macro-economic risk contribution framework, spark rolling trends analytic, performance attribution, and machine learning framework for front office research

LinkedIn Jan 2016 - Apr 2016
SWE Intern *Mountain View, CA*

- Redesigned Kafka Mirror to integrate cross cluster replication into core server and eliminate 400+ machines in data pipeline.

Bloomberg L.P.
SWE Intern

Jan 2015 - Apr 2015
New York, NY

- Distributed logging framework for Multi-Asset Risk System's proprietary pricing engines

Whirlscape Inc.
SWE Intern

May 2014 - Aug 2014
Toronto, ON

- Disambiguating keyboard for Android and growth analytics

AWARDS & ACHIEVEMENTS

Honourable Mention (216 th), International Physics Olympiad	2013
CIBC National Scholarship (\$25,000 in value)	2013
President's Scholarship of Distinction (\$5,000 in value)	2013
K.C. Lee Computer Science Scholarship (\$1,000 in value)	2014
Gold/Silver Medalist, University Physics Competition	2013/2014
Second Place, Citadel Datathon (\$5,000 in value)	2017/2018
Vector Research Grant (\$4,000 in value)	2018/2019

TECHNICAL SUMMARY

Languages	Python, Java/Scala, C/C++
Software	Scikit-Learn, PyTorch, Tensorflow Numpy, Scipy, Pandas Kafka, Spark, HBase, Storm