

Jialin Lu

Homepage: luxxxlucy.github.io

Email: luxxxlucy@gmail.com or jialin_lu@sfu.ca

Github: [luxxxlucy](https://github.com/luxxxlucy)

Education

- 2018 – 2021 **Simon Fraser University**
MSc Computing science
Research Area: Interpretability, Neuro-symbolic integration, Mixed discrete-continuous optimization.
Thesis Advisor: Martin Ester
- 2014 – 2018 **Zhejiang University**
BEng Computer Science
BEng Industrial Design (Special program with the International Design Institute)

Occupation

- Huawei Canada (Vancouver Research Center)**
Dec 2021 – Software Engineer (Senior Engineer B)
Jul–Dec 2021 Software Engineer (Associate Engineer)

Part-time

- Teaching Assitant**
Jan–Apr 2021 CMPT419/726 *Machine Learning*, with Dr. Ke Li, *Simon Fraser University*
May–Aug 2020 CMPT353 *Computational Data Science*, with Dr. Greg Baker, *Simon Fraser University*
Mar–Jun 2018 *Artificial Intelligence*, with Dr. Xi Li, *Zhejiang University*
- Software Engineer**
May–Aug 2018 *Zhejiang Fonda Technology Co., Ltd*, Hangzhou, China
- Research Assitant**
2019–2021 Martin Ester’s lab, *Simon Fraser University*
Jun–Sep 2017 Graphics Group, with Dr. Li-yi Wei, *University of Hong Kong*
Sep–Dec 2016 StatNLP lab, with Dr. Lu Wei and Lin Shaowei, *Singapore University of Technology and Design*

Research

- 2021 **Interpretable drug response prediction using a knowledge-based neural network**
Oliver Snow, Hossein Sharifi Noghabi, *Jialin Lu*, Olga Zolotareva, Mark Lee, Martin Ester
KDD 2021
- 2020 **Neural Disjunctive Normal Form**
Jialin Lu
Master Thesis
- 2019 **Revisit Recurrent Attention Model from an Active Sampling Perspective**
Jialin Lu
NeurIPS 2019 Neuro↔AI Workshop
- 2019 **An Active Approach for Model Interpretation**
Jialin Lu, Martin Ester
NeurIPS 2019 workshop on Human-centric machine learning (HCML2019)
- 2019 **Checking Functional Modularity in DNN By Biclustering Task-specific Hidden Neurons**
Jialin Lu, Martin Ester
NeurIPS 2019 Neuro↔AI Workshop

Programming

- Proficient C, Rust (and occasionally Python for prototyping).
Intermediate C++, Julia, Java, Web front end, iOS/Android

Blog/Writing/Misc

- 2021 **Gradient-based program induction**
- 2020 **On more interesting blocks with discrete parameters in deep learning**
- 2020 **Solving the TerpreT problem**
- 2020 **Mirror-Integration and Functional-Regularisation for better control of Deep Nets**
- 2020 **On Bayesian Deep Learning, an outsider's view**
- 2019 **Disentanglement of Heterogeneous Components: A Slightly Obsolete Attempt**
- 2019 **A Review of Failure - Deep Generative Model for Chinese Fonts**
- 2019 **On Randomness of "Nama Jashin" collection (simple math)**

Other

- 2019 **Graduate Fellowship**
School of Computing Science, Simon Fraser University
- 2017 **Excellent Completion**
Student Research Training Programme, Undergraduate Office
Zhejiang Univesity
- 2016 **Scholarship**
Leadership Enrichment and Regional Networking (LEaRN) Programme
Temasek Foundation International, Singapore
- 2016 **Special Award on Public Responsibility**
Mobile Application Innovation Contest of China Collegiate Computing Contest,
Tsinghua Univesity and Apple Inc
- 2016 **Completion of**
International Undergraduate Research Opportunities Programme (iUROP)
Singapore University of Technology and Design

Last updated: Mar 2022