

Jialin Lu

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 GitHub: [Lucxlucy](#)
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Education

Simon Fraser University

M.Sc. in Computer Science — supervised by *Martin Ester*.

2021

Zhejiang University

B.Eng: Computer Science, B.Eng: Industrial Design.

2018

Current Occupation

Huawei Vancouver Research Center

2021 – now

Senior Engineer, Systems-performance engineering.

Recent work: fine-tuning and inference optimization of small language models for prompt-injection defense. Earlier work across user-space networking, XDP/BPF, TLS, and the AI WAF. Contributions integrated and deployed in the [USG series enterprise gateway products](#).

Selected corporate awards:

- Outstanding Individual, 2025 (top 2 of 150+ R&D personnel)
- Campaign Project Hero, 2025
- Gold Medal Team, 2024 (top 1 of 10+)
- Future Star, 2024

Blog / Recent Projects

I keep a blog at [lucxlucy.github.io](#) where I write up technical projects outside of my job.

- [Assembly as Synthesis](#)
- [Cheap \(and Good\) Rewards from a VLM](#)
- [Parametric Shape Prior for Form-Finding](#)
- [Real-time VLA on MacBook](#) (this is ongoing)

Research

See [Google Scholar](#).

Interpretable Drug Response Prediction using a Knowledge-Based Neural Network. Oliver Snow, Hossein Sharifi Noghabi, Jialin Lu, et al.

KDD 2021

Neural Disjunctive Normal Form. Jialin Lu.

Master Thesis, 2020

Revisit Recurrent Attention Model from an Active Sampling Perspective. Jialin Lu.

NeurIPS Neuro→AI Workshop, 2019

An Active Approach for Model Interpretation. Jialin Lu, Martin Ester.

NeurIPS HCML Workshop, 2019

Checking Functional Modularity in DNN By Biclustering Task-specific Hidden Neurons.

NeurIPS Neuro→AI Workshop, 2019

Jialin Lu, Martin Ester.

Other Experience

Teaching Assistant — CMPT419/726 Machine Learning, Simon Fraser University (Supervisor: Ke Li).

Jan – Apr 2021

Teaching Assistant — CMPT353 Computational Data Science, Simon Fraser University (Supervisor: Greg Baker).

May – Aug 2020

Research Assistant — Simon Fraser University (Supervisor: Martin Ester).

2019 – 2021

Teaching Assistant — Artificial Intelligence, Zhejiang University (Supervisor: Xi Li).

Mar – Jun 2018

Skills

Programming Languages. C (primary), C++ (proficient with most non-fancy features). Rust — occasional open-source contributions, including to the Typst typesetting engine (this doc is typeset by Typst). **Performance Optimization.** all sorts of dirty tricks (mostly CPU and memory access, less on GPU) **ML.** PyTorch, Candle, MLX, CUDA; more on fine-tuning and inference optimization, less on training.