

## EDUCATION

---

•*Doctor of Philosophy, Machine Learning*

Sep 2019 - April 2024

Simon Fraser University

GPA 4.21/4.33

•*Bachelor of Science, Computer Science*

Jan 2012 - Apr 2015

Simon Fraser University

## PUBLICATIONS

---

*No  $D_{train}$ : Model-Agnostic Counterfactual Explanations Using Reinforcement Learning*

**Xiangyu Sun**, Raquel Aoki, Kevin H. Wilson

TMLR 2025

*TabReason: A Reinforcement Learning-Enhanced Reasoning LLM for Explainable Tabular Data Prediction*

Equal contribution

ICML 2025 @ Foundation Models for Structured Data Workshop

*Cause-Effect Inference in Location-Scale Noise Models: Maximum Likelihood vs. Independence Testing*

**Xiangyu Sun**, Oliver Schulte

NeurIPS 2023

*NTS-NOTEARS: Learning Nonparametric DBNs With Prior Knowledge*

**Xiangyu Sun**, Oliver Schulte, Guiliang Liu, Pascal Poupart

AISTATS 2023

*Learning Tree Interpretation From Object Representation for Deep Reinforcement Learning*

Guiliang Liu, **Xiangyu Sun**, Oliver Schulte, Pascal Poupart

NeurIPS 2021

*Cracking the Black Box: Distilling Deep Sports Analytics*

**Xiangyu Sun**, Jack Davis, Oliver Schulte, Guiliang Liu

KDD 2020