# WEIYUAN WU

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## EDUCATION

**Simon Fraser University, Canada**                    *September 2019 - Present*
PhD Candidate. Supervisor: Dr. Jiannan Wang

**Simon Fraser University, Canada**                    *May 2017 - September 2019*
Master of Science. Supervisor: Dr. Jiannan Wang

**University of Electronic Science and Technology of China**    *September 2012 - July 2016*
Bachelor of Engineer. Major in Information Security

## RESEARCH INTERESTS

Machine Learning Interpretation, High Performance Analytics Systems

## PROFESSIONAL EXPERIENCES

**Dataprep: Data Preparation in Python**                    dataprep.ai
*Project Leader*

· Project management and development.

**Vancity, Canada**                    Jan 2018 - September 2019
*External Researcher*

· Data augmentation, churn prediction and text mining.

**Strikingly Inc., China**                    June 2016 - May 2017
*Data Scientist*

· Churn prediction, anti spammer and data warehouse.

## PUBLICATION

*Jinglin Peng*, Weiyuan Wu*, Brandon Lockhart, Song Bian, Jing Nathan Yan, Linghao Xu, Zhixuan Chi, Jeffrey Rzeszotarski, Jiannan Wang:*
**EDA$^x$: Task-Centric Exploratory Data Analysis**
**for Statistical Modeling in Python**                    SIGMOD 2021, Under Review

*Xiaoying Wang*, Changbo Qu*, Weiyuan Wu*, Jiannan Wang, Qingqing Zhou:*
**Are We Ready For Learned Cardinality Estimation?**                    VLDB 2021, Under Review

*Weiyuan Wu, Lampros Flokas, Eugene Wu, Jiannan Wang:*
**Complaint-driven Training Data Debugging for Query 2.0**                    SIGMOD 2020

*Weiyuan Wu, Lampros Flokas, Eugene Wu, Jiannan Wang:*
**Towards Complaint-driven ML Workflow Debugging**                    MLOps 2020, Demo

**Enabling SQL-ML Explanation to Debug Training Data**                    M.Sc. Thesis

## SKILLS

**Frameworks**: Tensorflow, Pandas, Numpy, Scikit-Learn, Dask

**Programming Languages**: Python/Cython, Rust, C++, Typescript, SQL

**Platforms**: Docker, AWS