

EDUCATION

- Simon Fraser University**, Vancouver, BC, Canada 2021 – present
Master of Science in Computer Science
– Thesis: “Transfer Learning in Biomedicine”
– Advisor: Martin Ester
- Simon Fraser University**, Vancouver, BC, Canada 2019 – 2021
Bachelor of Science in Computer Science (With Distinction)
– Got full marks (4.33/4.33) in: Data Mining, Applied Discrete Data Analysis, Computer Vision
- Zhejiang University**, Hangzhou, Zhejiang, China 2017 – 2021
Bachelor of Engineering in Computer Science and Technology (Dual Degree Program)
– Got full marks (5.0/5.0) in: Data Structure and Algorithm, Introduction to Big Data, Software Engineering

RESEARCH EXPERIENCE

- Dataprep: Data Preparation in Python** Simon Fraser University
Undergraduate Research Assistant September 2020 – April 2021
– Advisor: Prof. Jiannan Wang
– Worked on adding data analysis and visualization functions into an open-source python package
- 3DMI: Pixel-to-voxel with Mutual Information Constraints** Simon Fraser University
Undergraduate Research Assistant September 2020 – January 2021
– Advisor: Prof. Ke Li
– Worked on adding mutual information constraint and weight into 3D generators to improve the performance

PROJECTS

- Instance Segmentation** Summer 2020
Started from a baseline model to improve an object detection framework to detect planes in aerial images
Designed and trained deep convolutional neural networks using Pytorch and Detectron2
- Airbnb Data Analysis** Spring 2020
Analyzed an Airbnb dataset to predict how popular an apartment rental listing will be
Used several machine learning algorithms, including decision tree, logistic regression, SVM, XGBoost and stacking
- Cart-Pole Stabilization** Spring 2020
Kept the cart's position near zero and the pole near upright for as long as possible in a Gym environment
Implemented the policy gradient algorithm with average reward baseline using TensorFlow

SCHOLARSHIPS AND AWARDS

- President's & Dean's Honour Roll, Simon Fraser University (TGPA of 4.00 or higher) Feb. 2021
- Undergraduate Open Scholarship, Simon Fraser University (CGPA of 3.67 or higher) Jan. 2021
- Stood 19th/61 in the 2019 Pacific NW Regional ACM Programming Contest (Division 1) Dec. 2019

EXTRACURRICULAR ACTIVITIES

- **Study China Program**

Aug. 2018

Helped 120 students from several British universities successfully complete their 21-day study program in China