

EUGENIE YUJING LAI

477 60th Ave
Vancouver, BC V5X 2A1

www.linkedin.com/in/eugenie-yujing-lai
<https://eugenielai.github.io>

1.778.863.0977
eugenie.y.lai@gmail.com

TECHNICAL SKILLS

Programming Languages: Python | R | C# | JavaScript | C++
Development Tools and Frameworks: MS Visual Studio | R Studio | SQL Server | Git

EDUCATION

Bachelor of Commerce, *UBC Sauder School of Business*, Vancouver, BC Completion: 2021

- Specialization: Business and Computer Science Combined Major
- **GPA**: 4.0/4.0
- Awards: Rick Sample Research Award, 2020 (\$2500); 5th Deep Learning Winter School Scholarship, 2019 (\$500); Kenneth G. Young Memorial Scholarship, 2019 (\$900); Sauder School of Business Scholarship, 2017 (\$2370)—GPA ranked **top three** among 800 Business students; Trek Excellence Scholarship, 2017 (\$1500)—ranked **top 5%** at UBC
- Key Courses: Graduate-Level AI Social Impact (90%), Databases (93%), Machine Learning and Data Mining (93%)

WORK EXPERIENCE

Research Assistant, *UBC Data Management and Mining Lab*, Vancouver, British Columbia May 2019-Present

- Lead a research project that seeks to assist users' knowledge exploration in databases using query workloads by applying concepts of machine learning and visualization to customize query recommendations
- Engaged in a PhD candidate's thesis project that aims to improve user interaction with databases by identifying insightful patterns in data provenance and provide users with drill-down recommendations
- Credited as the second author of paper *The Pastwatch: On the usability of provenance data in relational databases*, accepted as a short paper by 36th IEEE International Conference on Data Engineering

Academic Assistant, *UBC Computer Science Department*, Vancouver, British Columbia May 2019-Present

- Assist UBC's CS undergraduate program renewal project, co-presented with Dr. Rachel Pottinger at UBC Board of Governors meeting in February 2020, and designed and developed curriculum visualization for UBC CS web page
- Redesigned tutorial instructions and took responsibility of exam reviews for CPSC 304 Introduction to Databases

Research Assistant, *UBC Sauder School of Business*, Vancouver, British Columbia July 2019-July 2020

- Applied causal inference methods to evaluate the impact of Amazon's platform policy on incentivized reviews by using Amazon and Google NLP APIs to identify unnatural reviews based on linguistic features
- Established a proof-of-concept that shows changes in review characteristics as a result of Amazon's platform policy

Data Scientist Intern, *UBC Data Science Institute*, Vancouver, British Columbia May-August 2019

- Engaged in data visualization and exploratory analysis research for the Data Science for Social Good program (DSSG) partnered with the City of Surrey to guide the development of Surrey's Electric Vehicle (EV) Transformation Strategy
- In September 2019, the city used our visualization tool to choose 20 EV charging sites for a federal funding proposal

Full-Stack Developer Intern, *Statistics Canada*, Ottawa, Ontario September 2017-April 2018

- Implemented a web service application embedded in a toolbox using trending industry technologies (e.g. JavaScript, C#, SQL, ASP .NET) and exceeded clients' expectations by optimizing existing jQuery widgets
- Obtained a full-time developer offer at the end of the term by demonstrating strong self-learning skills and work ethic

EXTRA-CURRICULAR ACTIVITIES

Student Volunteer, *The 2020 ACM SIGMOD/PODS Conference*, Online June 2020

Mentor, *UBC Data Science for Social Good Program*, Vancouver, British Columbia June 2020

Mentor, *UBC Computer Science Student Society (CSSS) Coffee Chat*, Vancouver, British Columbia March-May 2020

Oral Presenter, *UBC Multidisciplinary Undergraduate Research Conference*, Vancouver, British Columbia April 2020

Presenter, *UBC Undergraduate Three-Minute Thesis Competition*, Vancouver, British Columbia November 2019

Mentor, *UBC Computer Science Tri-Mentoring Program*, Vancouver, British Columbia September 2018-April 2019

Lab Volunteer, *Great Vancouver Regional Science Fair*, Vancouver, British Columbia April 2017

Math Tutor Volunteer, *Learning Buddy Network*, Vancouver, British Columbia January-April 2017

IT Team Executive, *UBC YOURS Club*, Vancouver, British Columbia October 2015-April 2016