Vancouver, BC, Canada eugenie.y.lai@gmail.com

Education

University of British Columbia, Vancouver, BC, Canada BCom in Business and Computer Science; GPA: 4.0

September 2015-Present

Awards

Scholarships

- IVADO Deep Learning Winter School Scholarship, IVADO Lab, 2019.
- Kenneth G. Young Memorial Scholarship, Sauder School of Business, 2019.
- Sauder School of Business Scholarship, Sauder School of Business, 2019.
- Trek Excellence Scholarship, University of British Columbia, 2017.

Distinctions

- Rick Sample Memorial Research Award, University of British Columbia, 2020.
- Dean's Honour Roll, Sauder School of Business, 2016.

Publications

- O. AlOmeir*, **E. Y. Lai***, M. Milani*, and R. Pottinger. Summarizing Provenance of Aggregation Query Results in Relational Databases. Submitted to IEEE International Conference on Data Engineering, 2021 (ICDE '21). (*Indicates equal contribution)
- O. AlOmeir, E. Y. Lai, M. Milani, and R. Pottinger. Pastwatch: On the Usability of Provenance Data in Relational Databases. [Short paper] To Appear in IEEE International Conference on Data Engineering, 2020 (ICDE 20).

Research Experience

UBC Data Management and Mining Lab

Summer 2020

Research Assistant with Dr. Rachel Pottinger

- Assist knowledge exploration in databases to help users better access and make sense of data.
- Apply concepts of visualization, machine learning, and HCI to build a system that recommends customized SQL queries using query workloads.

Sauder School of Business

July 2019-Present

Research Assistant with Dr. Arslan Aziz, Dr. Gene Lee

- Use causal inference methods to evaluate the impact of online platform policy ban on incentivized reviews using consumer reviews and validate the results with robustness checks.
- Apply natural language processing (NLP) techniques to process large datasets and use Amazon AWS and Google NLP APIs to identify unnatural reviews based on linguistic features.

UBC Data Science Institute

Summer 2019

Research Intern with Dr. Raymond Ng (primary), Dr. Kevin Lin

- Partnered with the Environmental Sustainability Advisory Committee of the City of Surrey, BC to guide the development of the Surrey Electric Vehicle Transformation Strategy.
- Used statistical and machine learning models to understand potential electric vehicle consumers and classify communities into groups such as current growth and high potential.

Industry Experience

Statistics Canada Ottawa Headquarter

September 2017-April 2018

Full-Stack Developer Intern

- Implemented a web service application embedded in a toolbox using technologies such as JavaScript, C#, SQL, ASP .NET and exceeded clients expectations by optimizing their jQuery widgets.
- Designed and developed a Windows Service application and obtained positive feedback from clients by effectively communicating the client needs and executing tasks efficiently.
- Recognized as a top front-end developer of the ICode team and obtained a full-time developer offer from the Statistics Information System Division (SISD) executive team by demonstrating strong self-learning skills and work ethic.

Teaching University of British Columbia Experience Teaching/Academic Assistant

CS Undergraduate Program Curriculum Renewal Project

CPSC 304 Introduction to Relational Databases

Extra-Curricular UBC Multidisciplinary Undergrad Research Conference, Presenter Activities

UBC CSSS Coffee Chat, Mentor

UBC Data Management and Mining Lab, Volunteer

UBC CS Tri-Mentorship, $Student\ Mentor$

Greater Vancouver Reginal Science Fair, Lab Volunteer

Learning Buddy Network, Math Tutor Volunteer

August 2019-Present $Summer\ 2019$

April 2020 March 2020-May 2020 April 2019-April 2020

September 2018-April 2019

April 2017

January 2016-April 2016