

<p>Vancouver, BC, Canada eugenie.y.lai@gmail.com</p>		
Education	<p>University of British Columbia, Vancouver, BC, Canada Bachelor of Commerce, Combined Major of Business and Computer Science GPA: 4.0/4.0</p>	September 2015-Present
Awards	<p>Scholarships</p> <ul style="list-style-type: none"> • 2020 Rick Sample Memorial Research Award – \$2,500 • 2019 IVADO/Mila Deep Learning Winter School Scholarship – \$500 • 2019 Kenneth G. Young Memorial Scholarship – \$800 • 2017 Sauder School of Business Scholarship – \$2,300 • 2017 Trek Excellence Scholarship – \$1,500 <p>Distinctions</p> <ul style="list-style-type: none"> • 2016 Dean’s Honour Roll 	
Publications	<p>O. AlOmeir, E. Y. Lai, M. Milani, and R. Pottinger. <i>Summarizing Provenance of Aggregation Query Results in Relational Databases</i>. [Short paper]. To Appear in IEEE International Conference on Data Engineering, 2021 (ICDE ’21).</p> <p>O. AlOmeir, E. Y. Lai, M. Milani, and R. Pottinger. <i>Pastwatch: On the Usability of Provenance Data in Relational Databases</i>. [Short paper]. To Appear in IEEE International Conference on Data Engineering, 2020 (ICDE ’20).</p>	
Presentations	<p><i>Developing a Data-Driven Electric Vehicle Strategy in Surrey, BC, Canada</i>. [Co-presented] SIGKDD Social Impact Workshop, 2020.</p> <p><i>Maximizing Utilization of Electric Vehicle Charging Infrastructure in Surrey, BC Using a Data-Driven Model</i>. [Co-presented] UBC Multidisciplinary Undergraduate Research Conference (MURC), 2020.</p> <p><i>Computer Science Undergraduate Program Evaluation and Renewal</i>. [Co-presented with Dr. Rachel Pottinger]. UBC Board of Governors Meeting, 2020.</p> <p><i>Facilitating Users with SQL Query Formulation</i>. UBC Undergraduate Three-Minute Thesis Competition, 2019.</p> <p><i>EV Explorer: A Visualization Tool for Surrey Electric Vehicle Transformation Strategy</i>. [Co-presented] UBC Vancouver Summer Program (VSP) Urban Big Data Mentoring Event, 2019.</p>	
Research Experience	<p>UBC Data Management and Mining Lab Research Assistant with Dr. Rachel Pottinger</p> <ul style="list-style-type: none"> • Assist knowledge exploration in databases to help users better access and make sense of data. • Apply concepts of visualization and machine learning to build a system that recommends customized SQL queries using query workloads. <p>Sauder School of Business Research Assistant with Dr. Arslan Aziz, Dr. Gene Lee</p> <ul style="list-style-type: none"> • 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. <p>UBC Data Science Institute Research Intern with Dr. Raymond Ng (primary), Dr. Kevin Lin</p> <ul style="list-style-type: none"> • 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. 	<p>April 2019-Present</p> <p>July 2019-Present</p> <p>Summer 2019</p>

Industry Experience	Statistics Canada Ottawa Headquarter Full-Stack Developer Intern <ul style="list-style-type: none"> Implemented a web service application embedded in a toolbox using technologies such as C#, JavaScript, SQL, ASP .NET and exceeded clients expectations by optimizing 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. Obtained a full-time offer from the Statistics Information System Division (SISD) executive team by demonstrating strong self-learning skills and work ethic. 	September 2017-April 2018
Teaching Experience	University of British Columbia Computer Science Undergraduate Program Curriculum Renewal Project CPSC 304 Introduction to Relational Databases	August 2019-Present May 2019-July 2019
Community Involvement	SIGMOD 2020, <i>Student Volunteer</i> UBC Data Science for Social Good Program, <i>Student Mentor</i> UBC Computer Science Student Society (CSSS) Coffee Chat, <i>Mentor</i> UBC Computer Science Tri-Mentoring Program, <i>Student Mentor</i> Greater Vancouver Regional Science Fair, <i>Lab Volunteer</i> Learning Buddy Network, <i>Math Tutor Volunteer</i> UBC YOURS Club, <i>IT Team Executive</i>	June 2020 June 2020 March 2020-May 2020 September 2018-April 2019 April 2017 January 2017-April 2017 October 2015-April 2016
Additional Training	Grad Courses <ul style="list-style-type: none"> CPSC 530L Topics in Artificial Intelligence: AI Social Impact COMM 635 Advanced Topics in Information Systems: Causal Inference Other Training <ul style="list-style-type: none"> 2020 UBC Research Computing Summer Sessions 2019 IVADO/Mila Deep Learning Winter School 5th Edition 2019 UBC Data Science for Social Good (DSSG) Workshop Series 	
Programming	Python, R, JavaScript.	
References	Available upon request.	