

Eugenie Y. Lai

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Education	University of British Columbia , Vancouver, BC, Canada BCom in the Combined Major of Business and Computer Science GPA: 4.0/4.0	September 2015-Present
Awards	Scholarships <ul style="list-style-type: none">• 2019 IVADO 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 Distinctions <ul style="list-style-type: none">• 2020 Rick Sample Memorial Research Award• 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>. Submitted to IEEE International Conference on Data Engineering, 2021 (ICDE '21). (*Indicates equal contribution)</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>Maximizing Utilization of Electric Vehicle Charging Infrastructure in Surrey, BC using a Data-Driven Model</i>. UBC Multidisciplinary Undergraduate Research Conference (MURC), 2020.</p> <p><i>Computer Science Undergraduate Program Evaluation and Renewal</i>. [Co-presented with Dr. Rachel Pottinger on behalf of the Curriculum Renewal team]. UBC Board of Governors Meeting, 2020.</p> <p><i>Facilitating SQL Query Composition</i>. UBC Undergraduate Three-Minute Thesis Competition, 2019.</p> <p><i>EV Explorer: A Visualization Tool for Surrey Electric Vehicle Transformation Strategy</i>. 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>Summer 2020</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. • 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. 	September 2017-April 2018
Teaching Experience	University of British Columbia Teaching/Academic Assistant Computer Science Undergraduate Program Curriculum Renewal Project CPSC 304 Introduction to Relational Databases	August 2019-Present Summer 2019
Community Involvement	UBC Computer Science Student Society (CSSS) Coffee Chat, <i>Mentor</i> UBC Data Management and Mining Lab, <i>Volunteer</i> UBC Computer Science Tri-Mentorship, <i>Student Mentor</i> Greater Vancouver Regional Science Fair, <i>Lab Volunteer</i> Learning Buddy Network, <i>Math Tutor Volunteer</i> UBC YOURS Club IT Team Executive	March 2020-May 2020 April 2019-April 2020 September 2018-April 2019 April 2017 January 2017-April 2017 October 2015-April 2016
Notable Training	Graduate-Level 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 Additional Training: 2019 IVADO/Mila Deep Learning Winter School 5 th Edition	
Programming	Python, R, JavaScript.	
References	Available upon request.	