

	<b>Eugenie Y. Lai</b>	
	Vancouver, BC, Canada eugenie.y.lai@gmail.com	
Education	<b>University of British Columbia</b> , 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"> <li>• 2019 IVADO Deep Learning Winter School Scholarship – \$500</li> <li>• 2019 Kenneth G. Young Memorial Scholarship – \$800</li> <li>• 2017 Sauder School of Business Scholarship – \$2,300</li> <li>• 2017 Trek Excellence Scholarship – \$1,500</li> </ul> Distinctions <ul style="list-style-type: none"> <li>• 2020 Rick Sample Memorial Research Award</li> <li>• 2016 Dean’s Honour Roll</li> </ul>	
Publications	<p>O. AlOmeir*, <b>E. Y. Lai*</b>, 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, <b>E. Y. Lai</b>, 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><b>UBC Data Management and Mining Lab</b>            Research Assistant with Dr. Rachel Pottinger</p> <ul style="list-style-type: none"> <li>• Assist knowledge exploration in databases to help users better access and make sense of data.</li> <li>• Apply concepts of visualization and machine learning to build a system that recommends customized SQL queries using query workloads.</li> </ul> <p><b>Sauder School of Business</b>            Research Assistant with Dr. Arslan Aziz, Dr. Gene Lee</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul> <p><b>UBC Data Science Institute</b>            Research Intern with Dr. Raymond Ng (primary), Dr. Kevin Lin</p> <ul style="list-style-type: none"> <li>• Partnered with the Environmental Sustainability Advisory Committee of the City of Surrey, BC to guide the development of the Surrey Electric Vehicle Transformation Strategy.</li> <li>• Used statistical and machine learning models to understand potential electric vehicle consumers and classify communities into groups such as current growth and high potential.</li> </ul>	Summer 2020                    July 2019-Present                    Summer 2019

Industry Experience	<b>Statistics Canada Ottawa Headquarter</b> Full-Stack Developer Intern <ul style="list-style-type: none"> <li>• 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.</li> <li>• Designed and developed a Windows Service application and obtained positive feedback from clients by effectively communicating the client needs and executing tasks efficiently.</li> <li>• 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.</li> </ul>	September 2017-April 2018
Teaching Experience	<b>University of British Columbia</b> 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>	March 2020-May 2020 April 2019-April 2020 September 2018-April 2019 April 2017 January 2016-April 2016
Programming	Python, R, JavaScript.	
References	Available upon request.	