

# EUGENIE YUJING LAI

<https://eugenielai.github.io>  
eugenie.y.lai@gmail.com

## EDUCATION

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**University of British Columbia**, Vancouver, BC, Canada

*Bachelor of Commerce with Co-op Program, UBC Sauder School of Business* September 2015-Present

- Specialization: Business and Computer Science Combined Major with Honours
- **GPA:** 4.0/4.0

## ACADEMIC AWARDS

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**IVADO Lab**, Vancouver, BC, Canada

*5th Deep Learning Winter School Scholarship*

Winter 2019

One of the 16 students selected from nation-wide candidates; received an award of \$500

**Sauder School of Business**, Vancouver, BC, Canada

*Kenneth G. Young Memorial Scholarship*

Winter 2019

Faculty recommendation for outstanding academic achievements; received an award of \$900

**Sauder School of Business**, Vancouver, BC, Canada

*Sauder School of Business Scholarship*

Winter 2017

GPA ranked **top three** among 800 Business undergraduates; received an award of \$2,370

**University of British Columbia**, Vancouver, BC, Canada

*Trek Excellence Scholarship*

Winter 2017

GPA ranked **top 5%** of Business undergraduates; received an award of \$1,500

**University of British Columbia**, Vancouver, BC, Canada

*Dean's Honour Roll*

2016

## WORK EXPERIENCE

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### Research Assistant

*UBC Sauder School of Business*, Vancouver, British Columbia

July 2019-Present

- Supervisor: Dr. Arslan Aziz
- Project Details: (1) Feature extraction using statistical modeling and sentiment analysis on user-generated content to evaluate the impact of incentivized reviews on non-incentivized reviews; (2) Application of machine learning algorithms to identify incentivized user reviews

### Research Assistant

*UBC Data Management and Mining Lab*, Vancouver, British Columbia

Summer 2019-Present

- Supervisors: Dr. Rachel Pottinger (primary), Dr. Mostafa Milani, and Ph.D. candidate Omar AlOmeir
- Project Details: Data warehouse and pattern mining research to identify interesting patterns in a given data warehouse and provide users with drill-down recommendations

### Research Intern

*UBC Data Science Institute*, Vancouver, British Columbia

Summer 2019

- Supervisors: Dr. Raymond Ng (primary) and Dr. Kevin Lin
- Partners: Environmental Sustainability Advisory Committee of the City of Surrey in British Columbia
- Project Details: (1) Data visualization and exploratory analysis to provide statistical insight into guiding Surrey's Electric Vehicle (EV) Transformation Strategy; (2) Application of statistical modeling and machine learning algorithms to understand the demographic features of current EV owners; (3) Application of optimization algorithms to model charging site demand and make suggestions for future charging sites by targeting specific EV adopter groups

**Statistics Canada**, Ottawa, ON, Canada

*Full-Stack Developer Intern*

September 2017-April 2018

- Supervisor: Dr. Youssef Kadri

- Work projects: (1) Implemented a web service application embedded in an internal toolbox for the Canadian Census using ASP .NET platform in JavaScript, C#, and SQL; (2) Developed a Windows Service application to optimize Census data processing

Recognized as a top developer and obtained a full-time developer offer from the Statistics Information System Division executive team by demonstrating strong learning skills and work ethic

## PUBLICATION

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- O. AlOmeir, **E. Y. Lai**, M. Milani, R. Pottinger, *"Summarizing Provenance of Aggregation Query Results in Relational Databases"*, submitted to IEEE ICDE, 2021.
- O. AlOmeir, **E. Y. Lai**, M. Milani, R. Pottinger, *"The Pastwatch: On the usability of provenance data in relational databases"*, IEEE ICDE, 2020.

## TEACHING EXPERIENCE

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**Program Curriculum Renewal Project**, UBC Computer Science Department, Vancouver, BC, Canada  
*Administrative Assistant for Associated Head Dr. Rachel Pottinger* Winter 2019-Present

**Introduction to Relational Databases**, UBC Computer Science Department, Vancouver, BC, Canada  
*Teaching Assistant for Instructor Dr. Hazra Imran* Summer 2019

## REFERENCES

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### **Dr. Arslan Aziz**

Assistant Professor, Accounting and Information Systems Division, Sauder School of Business  
 arslan.aziz@sauder.ubc.ca

### **Dr. Raymond T. Ng**

Professor, UBC Computer Science Department; Director of the UBC Data Science Institute  
 rng@cs.ubc.ca

### **Dr. Rachel Pottinger**

Associate Professor and Associate Head, UBC Computer Science Department  
 rap@cs.ubc.ca