Yu Luo

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EDUCATION

Ph.D.	University of British Columbia (Cognitive Science)	*2018–2023 (expected)*
M.A.	University of British Columbia (Cognitive Science)	*2016–2018*
B.Sc.	University of British Columbia (Behavioral Neuroscience)	*2012–2015*

PROFESSIONAL EXPERIENCE

Senior Data Analyst, *Health Canada*   *Jan 2023- present*
- Automating the extraction of texts and tables from documents (e.g., PDF) using Python
- Conducting textual analysis using natural language processing (e.g., spaCy)
- Creating dashboards and visualizations using Power BI, Cognos, and SAS Viya

Data Assistant, *UBC Graduate and Postdoctoral Studies*   *Sep 2022- present*
- Building a dashboard using Shiny in R for the Canadian Graduate and Professional Student Survey
- Automating the creation of the dashboard for historical survey data
- Developing a pipeline to query institutional data using API and updating UBC application portal

Data Analyst, *Public Service Commission of Canada*   *Jan 2022- Jan 2023*
- Extracted staffing data using SAS and SQL and analyzed data using R and Python
- Created interactive webpages using JavaScript (e.g., d3), HTML, and CSS (sample project: https://www5.psc-cfp.gc.ca/dsad-dsda/time-to-staff/index-en.html)

Survey Analyst, *UBC Graduate Student Society*   *July 2019- Dec. 2021*
- Consulted with members of the GSS and collaborated with pertinent agencies within and outside the university to develop the annual graduate students' satisfactory survey.
- Analyzed and visualized survey results from over 1000 students in R and Power BI
- Summarized and presented the findings to GSS members and stakeholders across UBC.

Data Analyst, *Fraser Health*   *May 2019-Mar. 2020*
- Consulted with facilities managers at four major hospitals in Metro Vancouver to understand the recycling process of major waste streams.
- Built a forecasting model to estimate the waste diversion rate in Excel and proposed new policies to standardize recycling vendors for all acute care sites in Metro Vancouver.
- Developed an online recycling game to engage and train hospital staff with the new recycling program.

Data Analyst Intern, *KPMG & Ocean Wise*   *July 2018-Aug. 2019*
- Led a team of eight research assistants to reduce plastic waste at KPMG Vancouver offices and suggested new methods to increase pro-environmental behaviors among the employees.
- Analyzed the waste data and found a reduction of 20% of the single-use plastics in the office building.
- Presented the findings to the employees (>250 people attended) and at three international conferences.

Analytics Consultant, *WATT Consulting Group*   *July-Aug. 2018*
- Developed an automated emailing package in R for the city of North Vancouver.
- Recommended the steps of data collection and explained the package to the member of the WATT group.

Data Analyst Intern, *BC Hydro*   *Jan 2018-Sep.2019*
- Examined the impact of a new LED lighting system on high school students' well-being and cognitive functions.
- Coded the surveys using PHP, collected survey responses from students, and interviewed teachers.
- Presented the impacts of the new LED lighting system at the school and the BC Hydro head office.

MISCELLANEOUS (SKILLS, AWARDS, AND OTHERS)

Awards: ECCC Zero Plastic Waste Initiative ($80,000, 1/14 in Canada), SSHRC Doctoral Fellowships (Total: $80,000, 1/5 of a pool of 2000 applicants), Cordula and Gunter Paetzold Fellowships (Total: $36,000)

Academic achievements: published six papers in academic journals and presented at 20 international conferences

Statistical analysis software: R, MATLAB, SPSS, Excel, Power BI, Python, SQL, SAS

Graphic/Web design: Illustrator, Photoshop, InDesign, HTML, CSS, PHP, JavaScript