

Technical Skills

R(Statistics, Data Science, Machine Learning), Python (NumPy, SciPy, pandas), VBA Macros Excel, HTML, SQL, MATLAB, Tableau

Relevant Courses

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| Relational Databases - CPSC 304 <i>Jan 2020 - Apr 2020, UBC</i> | Focused on relational database systems, logical database design, E-R models, formal relational query languages, SQL, functional dependencies, and normalization. |
| Data Science - DSCI 100 <i>Jan 2019 - April 2019, UBC</i> | Implemented a data science workflow in R (programming language) with an emphasis on an intelligent and reproducible workflow, and clear communication of findings. |
| Mathematics of Machine Learning <i>Oct 2017 - Feb 2018, FU Berlin</i> | Focused on techniques that approximate probability distributions based on samples from the distributions, in particular, in Bayesian neural networks. |
| Mathematical Computing - MATH 210 <i>Jan - April 2017, UBC</i> | Scientific computing in Python with use of computing packages NumPy, SciPy, matplotlib and pandas for differential equations, statistics and data visualization. |

Employment Experience

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| Data Analyst Intern , Canadian Nuclear Laboratories | May - Aug 2019 |
| <ul style="list-style-type: none"> Successfully preformed analysis on environmental datasets using statistical techniques, some with hourly recordings for 10+ years to find trends, ensure data quality, consistency, and conformity. Examined workflow processes and documented each process to author a comprehensive 150+ page software user guide for a Geocortex database viewer, collaborating with subject matter experts. | |
| Summer Intern , Blue Spark Energy Inc. | Aug 2018 |
| <ul style="list-style-type: none"> Wrote 2 VBA Macros on Excel for the R&D Project Manager that implemented a better system to the input of results from Product testing into spreadsheets Reduced efforts from 8 hours of manual work to 30 minutes of run time | |
| Sommerpraktikant (Summer Intern) , Normfest GmbH | July - Sep 2017 |
| <ul style="list-style-type: none"> Worked in the Product and Purchasing Department and in Backoffice to create and organize a complete Chemical Product database and to assist with sales by price management Collaborated with International suppliers to complete database Adjusted prices to ensure profit for sales and created monthly reports | |
| Office Clerk Part Time, Blue Spark Energy Inc. | Feb 2014 – Aug 2015 |
| <ul style="list-style-type: none"> Assisted in the Implementation a more accessible filing system for documents and bank statements. | |

Research Experience

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| Research Assistant , Tecnológico de Monterrey (Monterrey Institute of Technology and Higher Education) | Sep 2019 - Oct 2019 |
| <ul style="list-style-type: none"> Optimizing spectral efficiency using a machine learning algorithm for 5G MIMO beamforming | |

Additional Experience

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| Accessibility Assistant , UBC Centre for Accessibility | Jan 2020 - April 2020 |
| <ul style="list-style-type: none"> Tutor and scribe for a UBC student with a visual impairment in German | |
| Collective Member , UBC Women's Centre | Sep 2018 - Apr 2019 |
| <ul style="list-style-type: none"> AMS resource group focused on supporting women in the UBC community | |
| Peer tutor , Webber Academy | Sep 2014 - Jun 2015 |
| <ul style="list-style-type: none"> Peer Tutoring program of two Grade 11 students in Math 20 and Physics 20 | |

Education

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| B.Sc (Mathematics & German Major) , University of British Columbia | Sep 2015 – Present |
| Exchange Student , Freie Universität Berlin (Free University Berlin) | Oct 2017 – Jul 2018 |

Languages

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| English - Native Speaker | German - Professional Proficiency | Mandarin - Basic Proficiency | Spanish - Basic Proficiency |
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