

# Fei Long

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## EDUCATION

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### UNIVERSITY OF BRITISH COLUMBIA, Faculty of Science

#### **Bachelor of Computer Science**

Intensive second-degree program with a specific focus on Computer Science and Data Science

**Ongoing/Intended Programming Coursework:** Data Structure and Algorithms, Relational Databases, Machine Learning

**Ongoing/Intended Data Science Coursework:** Data Science for Business, Data Visualization, Decision Analytics & Modeling

Vancouver, BC

Sept 2020 - May 2022

### XXX UNIVERSITY, School of XXX

#### **Master of Engineering in Mechanical Engineering: Renewable Energy and Sustainability**

GPA: 4.04/4.3

XXX, XX

Sept 2017 - Nov 2018

### COURSERA & DATACAMP, Online Education

Completed more than 20 courses in Python Programming, Data Visualization, SQL and Databases

**Key Coursework:** Pandas and Numpy Fundamentals, Importing and Managing Financial Data in Python, Portfolio Analysis in Python, Storytelling Through Data Visualization, Interactivity with JavaScript, Joining Data in SQL

2017 to Current

## QUALIFICATIONS

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- Over Two years of experience as a Business Analyst in a fast-paced business environment
- COOP program at UBC – Computer Science at Year 3

## PROFESSIONAL EXPERIENCE

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### XXXXXX Company

#### **Business Analyst, Business Development**

XXXX, XX

Mar 2019 – Current

- Analyze and deliver analytical business projects (Volume & Revenue Analysis, Cost Comparison etc.) by the use of various analytics tools (Excel/VBA/SQL etc.) while maintaining high accuracy over 98%
- Formulate and generate reports by collecting and interpreting data from various data sources with proven organizational skills in multitasking and prioritizing tasks
- Present excellent communicational skills by engaging with internal and external customers on details of ongoing projects and provide updates and feedback with stakeholders in a timely manner
- Exceed team targets over 5% in 3 consecutive quarters while reducing task turnaround time by 10%
- Program and automate manual processes by VBA and SQL, saving processing time by more than 20% while significantly decreasing errors

## EXTRACURRICULAR ACTIVITIES

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### **Leadership:** Graduate Student Representative, XXX UNIVERSITY

Sept 2017 – Aug 2018

- Elected as a student representative while receiving the most votes among 7 nominees
- Actively involved in faculty governance as a representation and advocate for the student body

### **Technical Project:** Risk and Returns: The Sharpe Ratio (**Python**)

- Programmed with Pandas package to compare the profitability of Facebook and Amazon with S&P 500 Index as a benchmark
- Introduced the Sharpe Ratio to measure the risk and returns of two selected stocks and visualize the results by Matplotlib

### **Technical Project:** What and Where Are the World's Oldest Businesses? (**SQL**)

- Used SQL data manipulation to analyze businesses from various categories and their founded years and locations
- Filtered, extracted and combined data using JOIN, WHERE, GROUP BY, HAVING clauses from different data sources

### **Technical Project:** Creating Tableau Dashboards using COVID-19 data (**Python, Tableau**)

- Obtained the American COVID-19 data from NYTimes and used Python Pandas & Matplotlib to clean and inspect the data
- Created dashboards to demonstrate the number of cases, deaths and fatality rate at both state-level and county-level

## PERSONAL

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- **Technical Skills:** Python, SQL, Excel, VBA, R, Tableau, Power BI, JavaScript/HTML/CSS
- **Languages:** Fluent in English, Native speaker of Mandarin
- **Interests:** Volleyball (Team Captain), Squash, Tennis, Movies and Documentaries