# Zimeng Ming (Brandon)

· 2-year experience with the role in Data Analysis and 4 co-op terms experience as data analysis.

· Excellent knowledge about Computer Science Language and Statistic analytical methods who receive A- in most core courses related to data science in most recent term.

· Familiar with various programming language and Data Analysis tools.

· Familiar with majority of database and various types of data.

· Familiar with lots of major use algorithm about data analysis, machine Learning and business intelligence.

· Also has some experience on software design and testing with Flutter.

· Excellent communication skills including fluency in English and Mandarin.

· Deep understanding ad extensive experiences of Leaderships and cooperation with other teammates. 2-year experience for serving for Chinese Student Association as an exclusive director.

## Work History

**2020-01 - 2020-12**

### Research Technician (Data Specialist)

*BC Ministry of Forest, Lands, Natural Resource Operations and Rural development, Nelson, BC*

· As a co-op data science student in the team of Research Section in Resource Management Kootenay Boundary Region.

· Taking in charge of collecting, arranging and analysis the data from the West Arm Demonstration Forest(WADF) research project stations.

· Cleaning the unreliable data and filling the gap using machine learning and statistic strategies though Python and R.

· Quality assurance(QA) and quality control(QC) the datasets and documentation the QA/QC procedures.

· Using R to analysis the climate dataset, create the R Script and comments in order for the future research use.

· Link: click here

## Contact

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**Github:**
https://github.com/Brandon0916/ResumeFolder

## Skills

1. **Computer Languages:** Java, Python, C, JavaScript, dart
2. **Data Analysis Languages:** SQL, R
3. **Python Data Analysis Tools:** Pandas, Nltk, numpy, scikit-learn,etc.
4. **Data Visualization tools:** matplotlib, Dash,D3.js
5. **Data Analysis Software:** Python Notebook, RStudio, Tableau, Power BI.
6. **Database:** MonogoDB, DBeaver, MS Access, Neo4j, Spark, Firebase , JSON.

**2019-05 - 2019-08**

## Data Science Research Intern

*China Construction Bank Fintech Ltd, Wuhan, Hubei, China*

· As a co-op data science student in the team of anti-telecommunications fraud in the department of software development.

· Taking in charge of collecting fraud cases data from the daily banking transactions and building model to determine the relationship between the fraud transaction attributes and find the most common attributes that a suspect fraud transaction may have.

· Translating the documentations and research papers between English and Chinese.

· Creating project of the Knowledge Graph for the fraud data.

# Education

**2016-01 - 2021-04**

## Bachelor of Science: Combined Major in Computer Science and Statistics (Co-op)

*University Of Victoria* - Victoria, BC

# Projects

### 1. Predict Unemployment Rate of Canada

a)   Tools: Python, Statistic models

b)   Using the data from Statistic Canada about Unemployment data and try to build the model for the unemployment rate of Canada.

c)   Details Link: click here

### 2. Track COVID-19 Data (Current)

a)   Tools: Python, Tableau

b)   tracking the case updated by the CDC of the British Columbia and showing on the map.

c)   Details Link: click here

### 3. Analysis the elections by using Tweeter

a)   Tools: Python, Python modules, Nltk

b)   Using Tweepy module to get the data for the tweeters under the certain topics that related to the elections. Using the tools to clean the data.

c)   Outcomes: Plots for analysis, WordCloud etc.

d)   Details Link: click here

7.   **Algorithm:**
Statistic Method, Data Mining and Machine Learning

8.   **Develop Tools:**
Vs Code, Andriod Studio, Xcode

9.   **Web Design Tools:** React, Node.js

10.  **App Design Tools:**
Flutter, Xmind, InVision

# Reference

1)   **Natasha Neumann**
*PhD, PAg, Hydrologist
BC Ministry of FLNR,
Nelson, BC*

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2)   **Yongbo Liu**
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