Zimeng Ming (Brandon)

- Process oriented data analyst with one and half year Co-op work experiences. Experienced in developing data algorithm and analyzing data to drive growth for solutions.
- Experienced in working across the full-stack of software development, profession of java, python, flutter, react and firebase (google cloud).
- Graduated in combined major in computer science and statistic with a strong foundation in math, logic and cross-platform coding and obtain GPA 7.5/9 in senior-year courses.
- Familiar with various programming languages and data analytics tools.
- Familiar with algorithms in data analysis, machine Learning and business intelligence process.
- Excellent communication skills including fluency in English and Mandarin.
- Deep understanding and extensive experiences of Leaderships and cooperation with other teammates.

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.
- Developing algorithms for quality assurance(QA) and quality control(QC) process for the datasets and documentation the QA/QC procedures for future use.
- Researching on climate data gap filling and modeling.
- Link: click here

Contact

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https://www.linkedin.com/in/zimeng-brandon-ming-588559121

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 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.
- Researching on fraud cases data from the daily banking transactions and finding the most common attributes that a suspect fraud transaction may have.
- Creating project with the Knowledge Graph for the fraud data.
- Making user operation manual for the fraud alert system.
- Translating the documentations and research papers between English and Chinese.

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
11. **Software Engineering:**
    Spring boot, Maven

Reference

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

   Email:
   Natasha.Neumann@gov.bc.ca

2) **Yongbo Liu**
   *MSc, Technical Lead
   China Consrtuction Bank,
   Wuhan, Hubei, China.*

   Email:
   liuyongbo.wh@ccbft.com

Reward

1. *Pacific Leaders Tuition Grants for Co-op employees (2020)*
2. *Euclid Math Contest (2014)*