

MICHEALEA FAUSTINE

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SUMMARY

Detail-oriented Mathematics graduate with a passion for analyzing trends and solving complex problems. Proficient in Python, SQL, and Tableau, with experience integrating diverse data sources, building dashboards, and presenting insights to technical and non-technical audiences.

EDUCATION

University of British Columbia

Bachelor of Science in Mathematics

Sep. 2021 – May 2024

Vancouver, BC

Green River Community College

Associates of Science in Computer Science

Sep. 2019 – May 2021

Auburn, WA

PROJECTS

Vancouver DataJam 2024 - Problematic Internet Use Analysis

Oct. 2024

- Analyzed a dataset with 60 features and 2,700+ observations, exploring patterns in youth internet usage
- Handled missing data and removing low-information columns to enhance dataset efficiency
- Developed logistic regression models to assess the impact of internet usage across age groups: elementary, middle school, and college students
- Presented findings to a panel of judges, highlighting key insights and implications

Stochastic Revenue Model

Sep. 2023 – Dec. 2023

- Analyzed weather data (1997–2022) using Python libraries like NumPy, pandas, and Matplotlib to model annual revenue for a Vancouver-based ice cream shop
- Developed a stochastic model incorporating temperature and precipitation as random variables to predict daily and annual revenue
- Visualized data and results with clear graphs, including legends, labels, and titles, to communicate findings effectively

Restaurant Branch Management

Jul. 2023 – Aug. 2023

- Designed a detailed ER diagram, identified candidate and primary keys, and normalized the tables, reducing inconsistencies and redundancy
- Designed the GUI layout using Java and implemented JDBC for database connectivity
- Facilitated efficient data movement within the system, ensuring seamless communication between the user interface and the Oracle database using SQL

EXPERIENCES

Data Assistant Volunteer

Oct. 2024 – Present

GLOCAL Foundation

Remote

- Evaluated and synthesized data from multiple sources to identify key insights
- Cleaned and transformed raw data in Excel to ensure accuracy and readiness for analysis
- Designed Tableau dashboards aligned with web standards, ensuring accessibility and optimizing color schemes for clarity and visual appeal

Server

Feb. 2022 – Jul. 2022

Tendon Kohaku

Vancouver, BC

- Managed multiple tasks efficiently in a fast-paced work environment
- Assisted in training new employees by assigning tasks and providing guidance on menu items

Gator Activities Board Member

Aug. 2020 – Jun. 2021

Green River Community College

Auburn, WA

- Planned and coordinated over 10 events, demonstrating strong organizational and time management skills
- Utilized Microsoft Teams, Word, and Outlook for communication and documentation

TECHNICAL SKILLS

Programming: Python, SQL, R, Java

Data Visualization: Tableau

Development Environments: IntelliJ, Visual Studio, VS Code, Jupyter Notebook

Version Control: GitHub