

MUHAMMAD RABEE

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EDUCATION

University of Waterloo

Sep 2020 – Apr 2024

Bachelor of Computer Science with Statistics Minor

Waterloo, ON

- **GPA:** 3.92/4.00 (Dean's List)
- **Relevant Coursework:** Intro to Compilers, Data Structures, Database Management, Object-Oriented Software Development, Computational Statistics & Data Analysis, Probability, Statistics, Combinatorics & Graph Theory

SKILLS

Languages: Python, JavaScript, SQL, C/C++, HTML/CSS, R

Frameworks/Libraries: Pandas, React, Node.js, Express, Matplotlib, Scikit-learn, Seaborn

Tools: Docker, Git, Linux, Bash/zsh, Power BI, Tableau, Jira, Confluence, Agile Methodologies

EXPERIENCE

Amazon

May 2023 – Aug 2023

Incoming Software Development Engineer Intern

Vancouver, ON

Scotiabank Global Banking & Markets

May 2022 – Aug 2022

Data Scientist/Engineer Intern

Toronto, ON

- Developed an HTML email framework built in Python that automatically delivered emails conveying early warning signals of client credit deterioration to 100+ investment bankers based on portfolio changes.
- Built and maintained an ETL data pipeline with AirFlow, feeding real-time financial data to Tableau dashboards used by bankers to improve strategic decision making regarding client risk.
- Conducted exploratory data analysis (EDA) with Jupyter, Pandas, SQLAlchemy, Seaborn, and a Financial Markets database (Refinitiv), presenting valuable insights, and findings to Directors.
- Collaborated in an Agile work environment consisting of planning sprints, Confluence to document projects pushed to production, and tracking daily/weekly tasks with Jira tickets.

Scotiabank

Jan 2022 – Apr 2022

Data Analyst Intern

Remote

- Deployed 5 PowerBI dashboards into production providing views on ongoing projects, APM status updates, and compliance regulations at the bank.
- Performed ad-hoc SQL queries, retrieving valuable data for other ongoing projects on the team, reducing downtime between projects by 15%.
- Reduced overdue milestones by automating reporting of pending approvals with openpyxl Python library and liaising with PMs, generating over an 88% reduction in non-compliant milestones.

PROJECTS

Biquadris (2-player Tetris) | C++, OOP, Bash, GDB, Git

- Created a modified version of Tetris using object-oriented programming principles that supported two-player capability, and special abilities with graphic support in C++.

Powerlifting Database App | JavaScript, React, Node.js, MySQL, Express, Docker



- Developed a powerlifting application that allowed users to track lifts, and meet performances with a MySQL database, React frontend, and Node.js backend.

WLP4 Compiler | C++, MIPS Assembly, GDB

- Engineered a compiler that translates WLP4 a subset of C++ to MIPS assembly language, ensuring compliance with semantic and syntactic rules through scanning, parsing, context-sensitive analysis, and code generation.

Portfolio Website | HTML, CSS, JavaScript, Netlify



- Designed a responsive web page using HTML, CSS, JavaScript, and hosted via Netlify to showcase projects, and previous internship experience.

COURSES & CERTIFICATIONS

- **Coursera:** Neural Networks & Deep Learning, Machine Learning (Stanford), Structuring Machine Learning Projects, Improving Deep Neural Networks