

ROBBIE MEYER

EXPERIENCE

Developer at Viryl Technologies

May 2018 - Aug 2018

- Developed metrics, fault data, a support ticket system and more features using PHP for ADAPT, a web portal that provides tools for managing vinyl presses
- Created and optimized SQL queries to efficiently decode and process raw data from a vinyl press to present it in a useful form
- Introduced new processes and tools into the workplace to improve development efficiency and code quality

Developer at Mitremedia (ETFdb.com)

Sep 2017 - Dec 2017

- Built and updated features such as an ETF screener using Ruby on Rails
- Optimized code to lower the average server response time by 20%
- Utilized tools such as Google Analytics, New Relic, DoubleClick for Publishers and Hotjar to analyze site performance and user behaviour

Assistant Programmer at Environment Canada

Jan 2017 - May 2017

- Wrote Bash scripts to automate the management of dozens of terabytes of data
- Investigated anomalies in meteorological data using internal tools to isolate the problem within the complex climate model system

PROJECTS

Kik Data Challenge (robbiemeyer.com/kdc)

Sep 2018

- Contributed to winning submission for the Kik Data Challenge at Hack the North
- Identified spammers in high-dimensional data with 99.98% accuracy using machine learning techniques such as K-means clustering

Ontario Election Analysis (robbiemeyer.com/oea)

Jul 2018

- Analyzed the 2018 Ontario Provincial Election results and the 2016 Canada Census to test the plausibility of claims about election trends
- Wrangled, visualized and interpreted data using Python, Pandas and PyPlot

Teedler (robbiemeyer.com/tdlr)

Dec 2017

- Developed a Ruby script to summarize a text passage
- Reversed an anomaly detection algorithm to find which sentences are most representative of the whole text

vWolf (vwolf.robbiemeyer.com)

Feb. 2017

- Created a web application using pure JavaScript to facilitate the party game "Werewolf" for frictionless in-person play
- Achieved seamless asynchronous communication of web clients by using Firebase (database and hosting)

SKILLS

Languages

- Python
- Ruby
- PHP
- Bash
- SQL
- JavaScript
- HTML + CSS
- C++

Libraries and Frameworks

- Pandas
- Rails
- Firebase
- Chart.js

Tools

- Linux
- Git
- Google Analytics
- Agile

ACHIEVEMENTS

- Winner of Hack the North 2018 Kik Data Challenge
- Term Dean's Honour List for all previous terms

EDUCATION

Systems Design Engineering Student at the University of Waterloo

Sep. 2016 - Apr. 2021

- Linear Systems and Signals
- Probability and Statistics
- Data Structures & Algorithms
- Human Factors in Design

CLUBS & INTERESTS

- UW Debate Team
- Volleyball
- Baking (especially pies)