

Dylan Batista-Moniz

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Education

Polytechnique Montréal

BS Software Engineering

2018- May 2023 | Montreal, QC

Noteworthy classes taken: Data Structures & Sorting Algorithms, File Systems & Databases, Computer Networking, Big Data, Distributed Systems & Cloud Computing, A.I. Methods & Algorithms

Technical Skills

Python3	■ ■ ■ ■ ■ □	JavaScript	■ ■ ■ ■ ■ □	Ruby	■ ■ ■ ■ ■ □	C++	■ ■ ■ ■ ■ □	Java	■ ■ ■ ■ ■ □	SQL	■ ■ ■ ■ ■ □
MongoDB	■ ■ ■ ■ ■ □	Angular	■ ■ ■ ■ ■ □	Rails	■ ■ ■ ■ ■ □	Node.js	■ ■ ■ ■ ■ □	Express.js	■ ■ ■ ■ ■ □	Docker	■ ■ ■ ■ ■ □
Git	■ ■ ■ ■ ■ □	Linux	■ ■ ■ ■ ■ □	Agile (Scrum)	■ ■ ■ ■ ■ □	DevOps	■ ■ ■ ■ ■ □				

Experience

Bell Canada

Data Analyst Intern

May 2022 – Present | Montreal, QC

Queried and analyzed data related to Bell's network to find and fix issues impacting the experience of clients. Worked closely with Data Engineers and Network Engineers and was involved in the implementation of new network solutions.

Oversaw:

- Writing queries and scripts to obtain data related to Bell's network.
Skills used: SQL • Trino (Presto) • Python • Hadoop • Hive • Splunk
- Analyzing data to find issues, predict and evaluation the impact of past and future changes in the network.
Skills used: MicroStrategy • Splunk • Excel
- Configuration of servers related to the initiatives of the team.
Skills used: Linux (RedHat 8) • Networking

Bell Canada

Software Automation Engineer Intern

September 2020 – September 2021 | Montreal, QC

Automated various tests using the Selenium framework & Appium automation tool. Worked closely with Network Engineers, Network Architects, Embedded System Developers in an Agile work environment.

Oversaw:

- Automating tests that were previously done manually on smart devices.
Skills used: Selenium • Appium • Ruby
Value: Automated ~96 work hours per week.
- Developing a RESTful API in charge of transmitting documents from dockerized environments to remote servers.
Skills used: JavaScript • NodeJS • Express
- Developing a data visualization tool able to collect JSON documents from a MongoDB database and to generate graphs from those documents. DevOps practices were implemented during this tool's development.
Skills used: Python
Value: Automated ~16 work hours per week.
- Designing and implementing a flexible schema for a MongoDB database. The schema allowed the database to be used as both a relational and a non-relational database.

Projects

Yawn Cam

Concordia's ConUHacks V

January 2020

As a team, developed a face tracking tool that recognizes when the user is tired. When a certain level of tiredness is reached, the tool triggers a notification suggesting a coffee break to the user.

Developed using: Python • OpenCV

Tron Game A.I.

PolyHx's LHGames

February 2019

Developed a state machine that was integrated into a Tron-like game. The implemented code controlled an A.I. player that was fought against machines built by other teams.

Developed using: Java

Interests

- Data engineering
- A.I.
- Video Games
- Learning languages (Currently learning: Mandarin & Spanish)