

Kosay Jabre

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Overview

- Independent learner with a strong curiosity and a desire for problem-solving
- Excellent written and verbal communication skills, including technical communication (documentation, requirements, use cases, reports)
- Works well both independently and as part of a cross-functional team
- Experience working remotely

Education

2018 - 2021 **Bachelor of Science, Computer Science and Mathematics (4.2 / 4.3 GPA)**

University of Prince Edward Island, Canada

- Artificial Intelligence and Automated Reasoning
- Data Structures and Algorithms
- Computer Organization and Architecture
- Analysis and Design of Algorithms

2015 **Certificate, International Organizational Systems (3.7 / 4.0 GPA)**

New York University, United States of America

Work Experience

2018 **Business Analyst**, Royal Bank of Canada, Canada

- Saved 25+ work hours per month through business process automation
- Lead a team of 3 developers to deploy a full-stack web app for RBC's summer student program
- Hosted VBA and Python workshops for 30+ employees

2017 **Web Marketer**, Regency Yacht Vacations, British Virgin Islands

- Maintained client-facing and enterprise web apps
- Lead a company-wide data reorganization initiative

Technology

Languages:

- Python: TensorFlow, PyTorch, NumPy, Pandas, Selenium, PyGlet, Scrapy
- Java: Jackson, JUnit, Apache Derby, JSoup, GPB
- TypeScript/JS: Node, Angular, React, JQuery, anime, D3, Webpack
- Experience with: MATLAB, C++, PHP, and VBA

Software:

- Git: Comfortable with version control, pull requests, branching etc
- Linux/Unix: Comfortable using CLI tools and shell scripting
- Google Cloud Platform: Comfortable with serverless architecture, containerization (Docker), Compute Engine, Firebase

Projects

- 2019 - Present **Machine Learning For Large Scale Global Optimization**
- Applying neural networks to improve optimization in black-box, bounded, real-valued, large scale global optimization problems
 - Training data collected through parallelized experiments on Google Cloud Platform, model built and trained through Keras, implemented in MATLAB
- 2019 **Automated Youtube Compilation Creator**
- Python/Javascript/FFMPEG app that automatically downloads clips from Twitch, arranges them into a compilation (with background music, intro, outro, title cards, and thumbnails), and uploads the compilation to YouTube
- 2018 **LetsRace Mobile Game**
- A Flutter app with a Firebase backend that allows mobile users to challenge each other to a running race
 - Uses GPS, accelerometer, and pedometer data to measure distance travelled
- 2018 **Web Jeopardy! Game**
- A command-line Jeopardy! game with multiplayer and leaderboards.