

~/ Kosay Jabre

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Overview

- Expected to graduate in May, 2021.
- Outspoken leader with experience leading small technical teams.
- Natural orator and effective communicator of technical information.
- Strong data structures, algorithms, and object-oriented skills.
- Insatiably curious.

Education

- 2018 - 2021 **BSc, Computer Science** (3.9 GPA)
University of Prince Edward Island, Canada
- 2018 - 2021 **BSc, Mathematics** (3.7 GPA)
University of Prince Edward Island, Canada
- 2015 **Certificate, International Organization Systems** (3.7 GPA)
New York University, United States of America

Work Experience

- 2020 **Teaching Assistant**, University of Prince Edward Island, Canada
- 2020 **Research Assistant**, University of Prince Edward Island, Canada
- 2018 - 2019 **Software Developer**, Freelance
- Implemented utility scripts, web scrapers, and webpages.
- 2018 **Business Analyst (Intern)**, Royal Bank of Canada, Canada
- Created tools that saved 25+ work hours per month.
 - Reduced time taken on a particular business process by 80%.
 - Lead a team of 3 student developers to implement a full-stack web application.

Technical Skills

Languages: Python (adept), C# (adept), Java (adept), C++ (proficient)
Containers: Adept in Docker and Docker Compose.
Git: Adept in Git, comfortable with branching/merging/stashing etc.
Administration: Proficient with Bash and PowerShell. Linux is my default OS.
Cloud: Proficient with Cloud Functions, Cloud Run, and Firebase.
Data: Proficient with Redis, RabbitMQ, PostgreSQL, and MongoDB.
CI/CD: Proficient with TeamCity, Jenkins, Nuke, and UnderTest.

Projects

- 2020 - 2021 **Newspaper Archive Enhancement**
- A system for the extraction of visual content like cartoons and advertisements from an archive of 250k+ newspapers.
 - Project Lead of a team of 5 student developers.
- 2020 - 2021 **Reimagining Manual Processes**
- A system for reducing the amount of manual work required by a process currently requiring 10 full time employees through automated classification of unstructured documents.
- 2019 - 2020 **Machine Learning for Large Scale Global Optimization**
- A novel LSTM-based architecture trained in TF/Keras that helps certain metaheuristics in optimization of multi-modal functions.
- 2018 **RBC Summer Student Experience**
- A full-stack web application for onboarding, engaging, and offboarding RBC summer student interns.
 - Project Lead of a team of 3 student developers.

Talks and Presentations

2020 Deploying Machine Learning Models with Docker
2020 Selection Bias in Metaheuristic Optimization
2020 Python: For Java Developers
2019 Rapid Prototyping with Flutter
2019 The Elixir Programming Language
2018 Business Process Automation with Python and VBA

Awards and Certificates

2020	TD Bank Summer Research Award	(\$5,800)
2019	UPEI Continuing Excellence Award	(\$1,000)
2018	Lean Six Sigma Yellow Belt Certificate	
2015	BVI Emerging Fellow Award	(\$8,000)
2014	BVI Scholarship Fund Award	(\$28,000)