Beatrice
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imbealopez

Experience

JUNE 2020 – PRESENT

AI Developer/Intact Financial Corporation

- **Tools: Java, Spring Boot, GitLab, Docker, Kubernetes, Kafka, Kibana, Jira, Confluence**
- **Integrated Kafka** into a **Spring Boot** application as part of a major **re-architecture** of the project as well as performed unit and integration tests; **developed** a **circuit breaker** for the application to monitor failure and protect from overloading.
- Regularly **refactored** and **optimized** various aspects of the application as well as aided in **production support** and **hot fixes**.
- **Worked** in an **Agile** environment regularly participating in **scrum** activities.

JANUARY 2020 – MAY 2020

AI Engineering Intern/Intact Financial Corporation

- **Tools: Python, Flask, SQL, GitLab, Docker, Kubernetes, Kibana, Jira, Confluence**
- **Developed** a **monitoring** application that queries an **Oracle** database, calculates KPIs, and displays results by **logging** using the **ELK stack** and building **Kibana** dashboards for **stakeholders**.

JULY 2018 – DECEMBER 2019

Web Database Application Developer (Full-Stack)/McGill University

- **Tools: Python, Django, Solr, PostgreSQL**
- **Developed** and maintained ORCH.A.R.D. – the Orchestration Analysis and Research Database – a web application built on **Django**, **Solr**, **PostgreSQL** stack for the Music Perception and Cognition Lab at McGill.

Projects

- **Bank Database Application** (Java, SQL): Performed requirement analysis, designed an ER schema, created a PostgreSQL database, and wrote a front-end application.
- **Hogwarts Campus Network** (Packet Tracer): Designed and configured a university's campus network including IPv4 and IPv6 addressing, static and dynamic routing, wireless access, and configuring and testing applications.
- **AI Pentago Player** (Java): Built an AI player for the two-player game Pentago-Swap using minimax algorithm with alpha-beta pruning and iterative deepening.

Education

SEPTEMBER 2015 – DECEMBER 2019

Bachelor of Science in Computer Science/McGill University