Saliou Diop
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in Linkedin   Personal Website   GitHub

Work experience

Software Developer   Jan 2022 - Present
Jarvis, Toronto Ontario
- Developed an MVP for a Linux Cluster Monitoring agent using Agile techniques, a virtual machine provisioned using Google Cloud Platform, bash scripts, git, Docker, and PostgreSQL. Developed apps in Java to mimic Linux grep commands and connect to PostgreSQL database. Performed unit testing using the JUnit library. Participated in daily scrum meetings and weekly code reviews.

Data Analyst intern   May 2021 - August 2021
Greystone Energy Inc, Moncton
- Worked with the operation manager to create dashboards using Javascript, SQL, and Power Bi to evaluate employees' performance. Built reports for the operation manager to understand the data analysis steps, enabling him to take important decisions based on performance.

C++ programming Tutor
Université de Moncton, Moncton   Sep 2020 - April 2021
- Worked closely with the professor and a few other computer science students to assist junior and sophomore students with C++ programming. Successfully, analyzed and debugged code written by various students and clarified the new concepts introduced in the course.

Artificial intelligence research assistant, Moncton   Jan 2020 – August 2020
Perception, Robotics and intelligent Machines (PRIME), U Moncton
- Worked with Professor Akhloufi and MSc students to create a simulation tool for forest fires to help prevent propagation. Produced a 3D photorealistic model that can predict effectively fire propagation from parameters such as wind speed, humidity etc.... Used the Unity game engine, and state of the art deep learning techniques to build the model.

Projects (*on my GitHub)*

REST APIs Projects
- Build a Netflix clone REST API that allows you to add movies, series and authenticate a user using Express JS, MongoDB, Mongoose, Json Web Token, Helmet

Jobs API
- Build API for career management. Once you apply for a job, you can organize and track progress in a central portal. You need to register or log in to use this API.

Technical Skills

- **Programming Languages:** C++, Java, Javascript, Node, Express, HTML/CSS, SQL, MYSQL
- **Frameworks:** Bootstrap5, React
- **Tools:** VS Code, Git, Firebase, Jest, JUnit, MongoDB
- **Language**: French - English - Wolof

Education

Université de Moncton   2018 - 2022
    B.S. in Applied Computer Science Co-op.