Saliou Diop

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in Linkedin Personal Website ○ GitHub

Work experience

Software Developer intern   May 2021 - August 2021
Greystone Energy Inc, Moncton
- Worked with the operation manager to create dashboard using Python, Javascript, SQL, and Power Bi to evaluate employees performance using the company large Oracle database
- 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, C# programming language and state of the art deep learning techniques to build the model.

Projects (*on my GitHub)*

Detection of Malware Applications in Android Smartphones
- I developed a model that can detect malwares on android smartphones using Java and deep learning. Achieved an accuracy of 97%.

Covid Vaccines Tracker (Open source project)
- Fixed many issues related to the front-end side of the project.

Volunteering

Computer Science Student Council Treasurer   Sept 2020- Sept 2021
- Process and record all financial transactions on behalf of the council
- Participate in all executive and council discussions and voting

Technical Skills

- **Programming Languages:** C++, Javascript, Node, Express, PHP, HTML/CSS, SQL, MYSQL, MongoDB
- **Frameworks:** Bootstrap5, React
- **Tools:** Visual Studio Code, Git, Firebase, Jest testing library
- **Language**: French - English

Education

Université de Moncton   2018 - 2021
B.S. in Applied Computer Science Co-op.