Edicson Garcia Luis

Software Developer

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⊙ /edicson2

☰ Summary

- Computer scientist having an great interest in programming and software development
- Excellent priority management, problem solving skills and analytical thinking
- Great ability to ability to work well in teams and a strong passion to learn
- Resilient, dynamic and able to communicate effectively

🎓 Education

Université de Montréal   2016 – 2020
Bachelors Degree in Computer Science   *Montreal, QC*

▊ Technical Skills

Programming Languages : Java, Python, JavaScript, PHP, MySQL

Environment : Linux, Mac OS, Windows

Development Tools : Eclipse, PyCharm, Visual Studio Code, DBeaver

Other Tools : Git, HTML, SCSS

Languages : English, French, Spanish

Key courses : Programming I & II, Design and Web Development, Software Engineering, Intro. to Artificial Intelligence, Intro. to Machine Learning

🚀 Programming Projects

Cloud Storage Solution   Winter 2021

- Creation of a web app to store and share documents
- Create a database to manage authentication and authorization of users
- Manage the permissions for the shared documents
- ***Tools*** : HTML5, Sass, Javascript, PHP, MySQL, Git.

Java App - ChocAn - Repository ⊙   Winter 2019

- Analyze and design a program starting from the client's requirements
- Built a system capable of managing users, services, suppliers and managers
- Make use of the SOLID principles to create an application easy to maintain
- Expand the application using various patterns
- ***Tools*** : Java, MySQL, Git.

Automatic Text Classification - [Repository](#) ⌀

Fall 2020

- ❯ Design a machine learning algorithm that can automatically sort short texts into a pre-determined set of categories
- ❯ Implement and train a few different classifiers and evaluate them on the test accuracy that the trained models achieve (Random Classifier, Naive Bayes classifier, Neural Network)
- ❯ **Tools** : Python, Git.

MNIST Images Classification

Fall 2019

- ❯ Use an notion of similarity, specifically constructed for use with MNIST to increase the performance of various partitioning algorithms
- ❯ Handling the data to make a pretraitment with the aim of speed up the similarity calculation
- ❯ Compare the performance of the different algorithms used with our similarity notion and the Euclidean distance
- ❯ **Tools** : Python, Scikit-Learn, Git.

DeadLocks and MultiThreading - [Repository](#) ⌀

Summer 2018

- ❯ Write in C, a program that will simulate virtual memory management by paging
- ❯ Read and execute commands from a logical address and translate them to a physical address
- ❯ **Tools** : C, CLion.

🧑‍🚀 Work Experience

Halliburton Latin-America

Apr 2010 – Dec 2014

Laboratory Head

Neiva, Colombia

- ❯ Communicate instructions to colleages validating the undertanding of the other person
- ❯ Identify the strengths of the staff members to stimulate the continuous improvement
- ❯ Verify and provide feedback for the reports generated from samples tests
- ❯ Guide the implementation of new chemical treatments with a better performance

🤝 Engagements

Foster Family - Animal Rescue Network

2016 - 2020

- ❯ Help animals that are in a dire necessity giving them food, a place to stay and accommodate them for a undefined ammount of time