Lou-Gomes Neto

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PROFILE

- Knowledge of technologies: Java, C, C++, Python, HTML, CSS, JavaScript, SQL, Reactjs, Node, MongoDB, Expressjs, Flask.
- Software tools used: Windows, Linux, Mac OS, Git, Microsoft Office, Google G Suite.
- Knowledge of the agile methodology.
- Self-taught and strong ability to adapt.
- Applied, thorough and has an eye for detail.
- Great communication and team spirit.
- Speaks french, english and portuguese (beginner).

EDUCATION

Baccalauréat ès sciences appliquées par cumul de certificats (code de programme: C311) spécialisé en développement logiciel
Université du Québec à Montréal • Montréal, Québec • 2019

Certificat en technologies d'affaires (code de programme: 4728)
Université du Québec à Montréal • Montréal, Québec • 2019

Certificat avancé en développement de logiciels (code de programme: 4626)
Université du Québec à Montréal • Montréal, Québec • 2018

Certificat en informatique et en développement de logiciels (code de programme: 4702)
Université du Québec à Montréal • Montréal, Québec • 2017

EXPERIENCE

Logistics support for the parking lots   **2016-2020**
Université du Québec à Montréal, Montréal

- Manage logistics of multiple parking lots
- Monitor parking lot cameras.
- Offer technical assistance.
- Perform general machine maintenance.
- Manually repair parking lot gates.
- Customer service.

VOLUNTEERING

Basketball coach for elementary school children
CÉGEP d'Alma • Alma, Québec • 2009-2012

Event organization for the CÉGEP d'Alma
CÉGEP d'Alma • Alma, Québec • 2009-2012
Dance festival, fundraising meals for the CEGEP sports teams, Super Bowl

PROJECTS

Emaily : full-stack survey web application built with Nodejs and Reactjs
- Web application which allows a user to send surveys to a list of emails.
- Features : Google authentification, secure credit card payments with the Stripe API and survey creation sent by email with the Sendgrid API
- Technologies : Nodejs, Express, MongoDB, Mongoose, Passportjs (with Google Oauth 2.0), Stripe, Sendgrid, React, Redux, Axios, MaterializeCSS, HTML, CSS, Javascript, Heroku (deployment).

Battleship built with Java
- Graphical application to play the famed tabletop game battleship against an artificial player.
- Features : Offers two levels of difficulty, offers the possibility to view a match replay and to save the current game to an XML file
- Technologies : Java, JDOM, XML Maven, Swing.

Car rental program built with C++
- Program that allows its users to make car reservations at different branches of a company.
- Features : Optimize recommendations with the help of various data structures and algorithms, plan an optimal route that take into consideration the points of origin and destination as well as the departure dates provided from the standard input, recommendations provided in the fastest times possible.
- Technologies : C++, terminal/Shell, Linux.

Carpooling program built with C++
- Program that allows its users to obtain an optimal carpooling route recommendation that considers the passenger's schedules as well as their origin and destination points.
- Features : Optimize recommendations with the help of various data structures and algorithms, offer recommendations that respect each passenger's schedule, recommendations provided in the fastest times possible.
- Technologies : C++, terminal/Shell, Linux.

Animal adoption full-stack web application built with Flask microframework
- Web application which allows users to put their pets up for adoption.
- Features : Create personal accounts, make adoptions postings, browse other posts and contact other users to adopt a pet.
- Technologies : Flask, Python, SQLite3, HTML, CSS, Javascript.

Labyrinth generator built with C
- A program that allows users to generate a randomized labyrinth on a square grid.
- Features : Create a labyrinth based on the options provided by command line or JSON, choose multiple options like the output format (graphviz, PNG, stdout), the colour (if in PNG format), the size as well as the possibility to show the solution or not.
- Technologies : C, terminal/Shell, Linux, Graphviz, Cairo.