ANTOINE DÉRY

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Address and phone number hidden

SUMMARY

- Third year software engineering student at Polytechnique Montréal
- Hands-on experience in web development and object-oriented programming
- Abilities to write documentation and reports
- Leadership, rigor and resilience developed through internships and personal projects
- Efficient communication in French and English

EDUCATION

Bachelor's degree in Software Engineering   2020 - 2023
Polytechnique Montréal
58/120 completed credits   GPA : 3.54/4.0 (Mention of academic excellence)

Bachelor's degree in Kinesiology   2016 – 2019
Université de Sherbrooke

SKILLS

- Hard skills: TypeScript, Angular, Python, Java, C/C++, HTML/CSS, SQL, NodeJS, SAS, Git, UML, Linux
- Soft skills: Leadership, Detail-oriented, Teamwork, Structure, Fast learner,
- Languages: French (native), English (fluent), Spanish (beginner)

PERSONNAL PROJECTS

Automation tools for Polytechnique Montréal's students (Python) ⏻   2022

- Create an automation software for the student portal with Selenium allowing to:
   - Analyze the transcript (PDF) periodically and notify by email when a new grade is added
   - Add a course to a student's schedule as soon as a place becomes available in a group and notify by email when the addition was successful
- Learn to use Selenium and web scraping techniques

DOCX to PDF converter (Python) ⏻   2021

- Learn how PDF conversion programs work
- Learn to code with the Python language in a self-taught way
- Automate the addition of the conversion function in the context menu of DOCX files

File manager on a server (Java) ⏻   2021

- Design and implement a client-server architecture using sockets
- Program various functions to upload and download files to/from the server
- Collaborate with other programmers to solve various problems

SCHOOL PROJECTS

Web application software project (MEAN stack) ⭕   2021

- Design a web application with TypeScript, Angular, HTML and CSS
- Create a client-server architecture with NodeJS, SocketIO, Express and MongoDB
- Work in a team of 6 students following the Agile approach
- Ensure continuous integration and deployment with GitLab and AWS

Embedded System Team Project (C/C++) ⭕   2020

- Design and implement an Atmel microcontroller library according to different requirements
- Document the library and the unit tests
- Collaborate remotely with a team of 4 students to analyse and solve various problems.

WORK EXPERIENCES

Kinesiology Research Assistant   2019
Laboratory of Dr Jean-Patrice Baillargeon   (4-month internship)
Centre hospitalier universitaire de Sherbrooke

- Conduct participants research visits (take anthropometric measurements and vital signs, perform laboratory manipulations)
- Analyze accelerometer data using statistical tests
- Develop adherence tools for participants (newsletters, progress diagrams)
- Write and review documentation given to project participants

Clinical and epidemiological research assistant   2018
Laboratory of Dr Frédéric Dallaire   (Two 4-month internships)
Centre hospitalier universitaire de Sherbrooke

- Develop a program to encrypt private identification data and to automate the construction of a database with SAS
- Analyze and solve various problems related to the creation and management of databases
- Collaborate with programmers and researchers involved in multiples projects
- Participate in the writing of scientific articles in English
- Present the results of a research project at a regional conference

HOBBIES AND INTERESTS

- Physical activities: triathlon, weightlifting, hockey and hiking
- Reading: biographies, detective novels
- Guitar, cinema, video games