XAVIER DUPUIS

CONTACT INFORMATION

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- 🔗 https://github.com/XavierDupuis

SUMMARY

- Interest in researching possible software improvements
- Ability to analyze the needs and performance of systems
- Experienced in writing documentation/reports
- Remote team working experience
- Professional attitude and self-motivated
- Strong English and French communication skills

EDUCATION

Software Engineer Undergraduate | Security and Mobility   *2020 − 2023*
Polytechnique Montreal
31/120 credits completed   GPA : 3.95/4   Academic Excellence

Natural Science College Diploma   *2017 − 2019*
Cégep régional de Lanaudière, Terrebonne

SOFTWARE ENGINEER EXPERIENCE

Hackatown 2021 – Polytechnique Montréal   *2021*
48-hour team programming competition (remote)
Detect diseased fruit plants from their leaf's visual aspect
Design a web application with Angular (and HTML + CSS)
Implement an intelligent "Classifier" with Tensorflow.js

Robot design project – Polytechnique Montreal (120h)   *2020*
Carry out the first-year integrator project: Embedded computer system
Produce a library (code and documentation) for an Atmel microcontroller
Cooperate remotely with other team members

ReadyAiCode Competition – Polytechnique Montréal   *2020*
      Finalist of a 24-hour team programming competition
      Design and implement basic artificial intelligence
      Adapt quickly to tools and new working methods
      Communicate effectively between team members

Collegial Integrator Project – Cégep régional de Lanaudière   *2019*
      Study cryptology methods
      Analyze the mathematical foundations of RSA encryption
      Software implementation of Vigenère and RSA encryptions
      Communicate our progress to the group

Clerk / Assistant Information Technology Manager – Magil Construction Canada   Summer *2017*
      Assist in the management of computer systems
      Organize information and computerized file archiving

SOFTWARE AND HARDWARE SKILLS

- Languages :   C++/C   Python   Assembly   MS-Dos (Batch)
  JavaScript/HTML/CSS   (novice in Angular and Java)
- Tools :   Git   Makefiles   UML   Virtual Machines
- Microsoft Office :   Word   Excel   Powerpoint
- Operation Systems :   Windows   Linux
- Ability to perform statistical calculations, assess probabilities
- Maintenance and updating of software and computerized systems

RELATED EXPERIENCES

Wrapper - Métro Inc., Terrebonne   *2020 –*
      Provide fast, efficient and professional service
      Apply rigorous teamwork methods
      Evaluate and analyze the priority of tasks

Office clerk – Formation Samo, Repentigny   *2018 – 2020*
      Translate lesson plans and reference manuals in English
      Repair, update and inventory computer stations
      Welcome students and assist employees in their tasks
      Archive and maintain digital records

Mathematics Tutor - Cégep de Lanaudière, Terrebonne   *2018 – 2019*
      Tutoring in post-secondary studies
      Plan helpful tutoring sessions through various exercises
      Provide clear and simple explanations to the students

References provided on demand