

XAVIER DUPUIS

CONTACT INFORMATION

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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 Polytechnique Montreal 31/120 credits GPA : 3.95/4	<i>2020 – 2023</i>
Natural Science College Diploma Cégep régional de Lanaudière, Terrebonne	<i>2017 – 2019</i>

SOFTWARE ENGINEER EXPERIENCE

Hackatown 2021 – Polytechnique Montréal 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	<i>February 2021</i>
Robot design project (remote) – Polytechnique Montreal (120h) 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	<i>2020</i>

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

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

EXPÉRIENCES CONNEXES

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

Office clerk – Formation Samo, Repentigny *July 2018 – February 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 *September 2018 – April 2019*
Tutoring in post-secondary studies
Plan helpful tutoring sessions through various exercises
Provide clear and simple explanations to the students

References provided if needed.