XAVIER DUPUIS

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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
- Hybrid team working experience (in-person and remotely)
- Professional attitude and self-motivated
- Strong English and French communication skills

EDUCATION

Software Engineer Undergraduate | Security and Mobility   *2020 – 2023*
Polytechnique Montréal
62 / 120 completed credits
GPA : 3.97 / 4
Academic Excellence

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

SOFTWARE, TECHNICAL AND COMPUTER SKILLS

Langages

C++	Assembly
HTML	CSS / SCSS
Javascript	Typescript
Angular	React
SQL	MongoDB
Python	

Outils

Git / GitLab	Makefiles
UML diagrams	Linux
Virtual Machines	Microsoft Office

SOFTWARE ENGINEER EXPERIENCE

WEB Application project development – Polytechnique Montréal   *2021*
Complete the second-year integrator project: online Scrabble game
Design a WEB application with Angular, Typescript, HTML, SCSS
Implement Client – Server architecture with Node.js, Socket.io, REST API, Mongo DB, etc.
Ensure teamwork and continuous integration with Git and Gitlab

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

Software robot project design – Polytechnique Montréal (120h)   *2020*
Complete the first-year integrator project: Embedded computer system
Implement and document a C++ solution library 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

WORK EXPERIENCE

Academic Trainer / Executive assistant – Formation Samo, Repentigny   *2021 –*
Provide a learning experience to students on many topics (Windows, Word, Excel, Mathematics, …)
Manage, transmit and oversee courses documents
Ease exchanges and communications on the virtual course platform

Wrapper – Métro Inc., Terrebonne   *2020 – 2021*
Provide a 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
Archive and maintain digital records

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