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
76 / 120 completed credits
GPA : 3.95 / 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	RxJS / NGXS
SQL	MongoDB
Python	

Tools

Git / GitLab	Makefiles
UML diagrams	Linux
Virtual Machines	Microsoft Office

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern – Genetec Inc.   2022
Analyze, segment and develop a feature of the software product
Synthesize and document the result of their process / work
Investigate, troubleshoot, and repair known (and unknown) software problems
Understand and appropriate business software development processes

Hackatown 2022 – Polytechnique Montréal   2022
Part-Winner of a 48-hour team programming competition (remote)
Create and design a concrete prototype to resolve a real-world issue
Develop a full stack application with Angular/Typescript/HTML/SCSS, Node.js, Mongo DB, etc.
Deploy to Amazon Web Services and Github

WEB Application project development – Polytechnique Montréal   2021
Complete the second-year integrator project: Scrabble online 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 front-end web application with Angular (and HTML + CSS)
Implement an intelligent "Classifier" with Tensorflow.js

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

Instructor / Executive assistant – Formation Samo, Repentigny   2021 –
Provide a learning experience to students on many topics (Windows, Word, Excel, Mathematics, etc.
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

Office clerk – Formation Samo, Repentigny   2018 – 2020
Translate lesson plans and reference manuals in English
Repair, update and inventory computer stations

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