

Arthur Fétiveau

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SUMMARY OF QUALIFICATIONS

- A second-year student in a Bachelors of Applied Science in Software Engineering at the University of Ottawa
- Started programming for personal projects more than 6 years ago
- Fluent in French and intermediate in English

EDUCATION

Bachelor of Applied Science in Software Engineering
University of Ottawa, ON, Canada

2020 - Present

- CO-OP Option
- Expected Graduation Date: December 2024

SKILLS

Technical Skills

- Operating Systems: Debian Based Linux Distributions (Ubuntu, Debian, Linux Mint ...), Windows OS
- Programming Languages: Python, Ruby, some Java and PHP knowledge
- Web Development: HTML, CSS, Ruby on Rails, Python Flask, some Javascript knowledge (VueJS)
- Unit Testing with RSpec for Ruby and PyTest as well as CI/CD with GitHub Actions and GitLab CI
- Databases: MySQL, PostgreSQL, some MongoDB knowledge
- Basic 3D Modeling with TinkerCAD and AutoDesk Fusion 360, Vector images (SVGs) with Inkscape

Communication Skills

- Communicated with team members and managers to integrate new ideas into different projects
- Used various communication tools like Slack, Microsoft Teams, Zoom, Confluence and more to communicate easily with clients or colleagues
- Utilized Agile methodology to work better in a group environment

RELATED WORK EXPERIENCE

Software developer - Full-time internship (COOP)

May 2021 - August 2021

Matrox Electronic Systems Ltd, Dorval, QC, Canada

Worked in the Matrox Imaging division to create multiple tests in Python to make sure that the smart cameras work reliably before sending them to clients. I created new classes to interface with various REST Apis and hardware (Cameras, Power Supplies and more) while doing as much code reuse as possible.

Task included

- Implemented new features and refactored old ones to target the tools to our new use-cases

- Wrote new tests using PyTest and implemented them with GitLab CI and Docker containers
 - Used PyInstaller to create executables for Windows and Linux operating systems
 - Utilized the Agile methodology to work more efficiently
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Web developer - Part-time

May 2020 - Present

CEED (University of Ottawa), Ottawa, ON, Canada

Worked on makerepo.com. This website is used by the [Centre for Entrepreneurship and Engineering Design](#), for university courses, multiple trainings for all the CEED spaces as well as used by admins for reports and stats about usage of the spaces, number of certifications and more

Task included

- Updated a system to Order 3D Prints and Laser cut parts online to facilitate the ordering process
- Creating a learning and projects area for the users to get LinkedIn badges with [Acclaim Badges](#)
- Written Unit Tests with RSpec to test the models and controllers
- Updated Ruby on rails from 4.2 to 6 to get access to new features and patch potential vulnerabilities
- Updated the file uploading system from Paperclip to Active Storage
- Implemented Github Action for continuous integration and development
- Added miscellaneous features to the website asked by staff and administrators

OTHER WORK EXPERIENCE

Maintenance Coordinator/General Supervisor - Part-time

January 2019 - April 2020

University of Ottawa Richard l'Abbé Makerspace, Ottawa, ON, Canada

- Demonstrated time management skills by supervising the space and following a schedule
- Utilized communication skills to help the clients to use and learn the equipment
- Learned to maintain equipment by doing regular maintenance
- Diagnosed issues by repairing faulty equipment (3D Printers, Laser Cutters)
- Developed technical skills by operating an online store such as [Shopify](#) and [GoDaddy Online Store](#)

EXTRA-CURRICULAR ACTIVITIES

SAE Aerospace electrical team lead at University of Ottawa

September 2020 - June 2021

- Taken part in the electrical part and the build of a 4 feet wingspan radio-controlled aircraft

Sound and Lighting Team Lead at Franco-Cité High School

September 2017 - June 2020

- Directed the technical side of shows, programmed sound and light consoles for shows and concerts

AWARDS

- **10,000\$ 2020 Maker Award** from the University of Ottawa

REFERENCES

- References available upon request