

Alexandre Pineau

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PERSONAL OVERVIEW

- Fourth year software engineering student at the University of Ottawa
- Experience with computers in different capacities, ability to learn new technologies quickly and demonstrate excellent communication skills
- Well-rounded individual with diverse interests including music, sports, and technology
- Seeking to leverage my technical experience and leadership skills for a co-op opportunity

EDUCATION

UNIVERSITY OF OTTAWA

Candidate for a Bachelor of Applied Science in Software Engineering

Ottawa, ON
Sept 2018 - Present

Relevant Courses: Data Structures and Algorithms, Operating Systems, Software Quality Assurance, Analysis and Design of User Interfaces, Databases, Software Construction, Professional Software Engineering Practice

SKILLS

COMMUNICATION

- Fluent in oral and written French having been in the Full French educational system for over 15 years
- Versed in writing clear and concise messages to colleagues over email and messaging apps such as Discord and Teams
- Hosted live demonstrations of web applications (at school and in co-op) to a variety of audiences

SOFTWARE ENGINEERING

- Created class diagrams, relational models, and state machines in UML to document the architectures of various applications
- Worked on a team project in Android Studio to create a mobile application for booking Doctor's appointments
- Experienced with Git, GitHub, GitLab and SVN
- Wrote unit tests in Java and Python for an application that verifies ISBNs
- Familiarized with principles used by operating systems such as process scheduling, memory management and multi-threading
- Utilized personas, wireframes, and structural patterns to design web applications

WEB DEVELOPMENT

Frontend

- Created and edited a variety of websites using HTML, CSS, Bootstrap, Javascript, jQuery and D3.js
- Experienced in designing SVGs with the Inkscape software (similar to Adobe Illustrator)
- Used JavaScript to create interactive tree diagrams in the browser with D3.js
- Experienced with web design services such as WordPress, Wix and Shopify

Backend

- Used PHP and PostgreSQL to create a website for tracking athletic competitions, athletes, and their statistics
- Implemented the LAMP stack to make a chore tracking website for my roommates and I
- Executed practices effective for querying large MySQL databases such as using stored procedures and taking advantage indexing
- Experienced in using crontab to run scripts and other commands

EXPERIENCE

PUBLIC SERVICES AND PROCUREMENT CANADA, *Technical Support Assistant*

May 2021 – Aug 2021 (4 months)

- Assumed technical lead for a high profiled project
- Established relationships with business partners and stakeholders
- Learned the basics of ITIL and ITSM
- Presented real-time demonstrations of the BMC Helix ITSM solution to stakeholders

SHARED SERVICES CANADA, *Junior Developer*

Jan 2020 – April 2020; Sep 2020 – Dec 2020 (8 months)

- Used the Symfony PHP framework to create an IVR statistics website using MVC design principles
- Wrote and optimized SQL queries to efficiently query over 30 millions rows of data on a MySQL server
- Created a JavaScript algorithm to display interactive visual IVR call-flow data
- Developed a Python script for benchmarking servers

- Remained focused and productive in an occasionally chaotic environment
- Developed strong organizational, teamwork and customer service skills
- Delivered meals to customers and handled complaints in a calm and professional manner

ADDITIONAL INFORMATION

PERSONAL PROJECTS

- Selected and assembled all the necessary parts for two of my personal computers
- Hosted (locally) a web-app for keeping track of household chores on my Raspberry Pi
- Used the cPanel interface to setup and manage my own website (<http://alexandrepineau.com>)
- Coded a Python script for monitoring out of stock items on a retailer's website
- Organized a science fair at my high school with over 100 participants and \$3000 in prizes

EXTRACURRICULAR ACTIVITIES

- **Music:** Drums (12 Years), Acoustic Guitar (8 Years), Banjo (1 Year)
- **Organized Sports:** Baseball (15 Years), Golf (15 Years), Hockey (15 Years)
- **Intramural Sports:** Basketball (2 terms), Dodgeball (1 term), Hockey (1 term), Volleyball (1 term)