

Stanley Avril

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Education

Polytechnique Montreal

August 2023 – 2027

Bachelor's Degree in Software Engineering

Projects

Automated Pentesting Tool

React.js, Node.js, Express.js, Flask, Python, Pentesting Tools

September 2024 - Present

[View on Portfolio](#)

- **Collaboration:** Developed an automated tool with my team to identify vulnerabilities and provide client feedback.
- **Technologies:** Used *React.js* for the frontend, *Express.js* for request handling, and *Flask* to execute pentesting scripts in *Python*.
- **Impact:** Designed a high-performing MVP, improving web security testing efficiency through automation.

Personal Portfolio Website

React, Material-UI, JavaScript

December 2024

[GitHub Repository](#)

- **Independent Development:** Created a modern and responsive portfolio to showcase my skills, professional experiences, and ongoing projects.
- **Technologies:** Used *React* and *Material-UI* to design a smooth and visually appealing user interface.
- **Features:** Added links to my GitHub repositories and professional social media profiles to facilitate interaction with recruiters and collaborators.

Improvement of the Polyscope Website

React, Firebase, Material-UI

May 2024 – August 2024

[View the Website](#)

- **Agile Collaboration:** Contributed to improving the official website of the university newspaper by developing new features within an Agile team.
- **Technologies:** Utilized *React*, *Firebase*, and *Material-UI* to design modern and responsive interfaces.
- **Impact:** Enhanced user experience and added intuitive features to meet students' needs.

Embedded Systems Project (Integration Project)

C, C++, Assembly, AVR Microcontroller

January 2024 – May 2024

- **Programming:** Developed a mobile robot capable of navigating varied paths autonomously, utilizing object-oriented programming principles.
- **Collaboration:** Worked effectively both in a team and independently to complete the project.
- **Technologies:** Leveraged advanced features of an AVR microcontroller.
- **Development:** Programmed the robot in C, C++ (including OOP), and *Assembly*.

Technologies

Programming Languages: Python, JavaScript, TypeScript, JSX, C/C++, Java

Frameworks and Libraries: Express.js, Flask, React.js, Node.js, Spring Boot, Material-UI

Tools and Environments: Git/GitHub, MongoDB, Firebase, Linux (Ubuntu), Visual Studio Code, Neovim

Cybersecurity Skills: Pentesting, SQL and XSS Injection, Reverse Shell, Binary Exploitation, Linux Privilege Escalation, Windows Exploitation

Experience

Service Assistant

June 2022 – January 2024

Lakeshore General Hospital & Benjamin-Viger Care Center

- **Warm Welcome and Communication:** Greeted and guided beneficiaries to the appropriate services.
- **Resource Management:** Supplied products and ensured the availability of necessary materials.
- **Versatility and Efficiency:** Completed tasks to assist on-site teams effectively.
- **Client-Oriented Approach:** Responded to beneficiary questions to ensure satisfaction.