

Jérémy Lalonde

123-456-7890 | jeremy.lalonde.1@ens.etsmtl.ca | linkedin.com/in/jeremy-lalonde | github.com/G-lalonde

EDUCATION

Bachelor of Software Engineering

École de technologie supérieure, Montreal

GPA. 3,97/4,3

Fall 2019 – Fall 2022

Technological Academic Path - Computer Science Specialization

École de technologie supérieure, Montreal

GPA. 4,03/4,3

Fall 2018 – Fall 2019

PROFESSIONAL EXPERIENCES

iOS Developer (Internship)

Genetec, Montreal

Summer 2022 - Fall 2022

- Analyzed, designed and developed of a functionality to select and change the active account of a video surveillance application
- Redesigned the visual of the login experience in SwiftUI
- Developed a weather application to learn iOS SOLID architecture and state machine patterns with UIKit and SwiftUI

Fullstack Developer (Internship)

GSoft, Montreal

Fall 2021 - Winter 2022

- Developed dashboards displaying event history by leveraging event sourcing in TypeScript and C#
- Investigated, designed and implemented a mechanism to export the activity flow of Microsoft tenants
- Designed and implemented an alert mechanisms with the Microsoft Team's chatbot

Python Developer

RE-AK Technologies, Montreal

Winter 2021 - Summer 2021

- Designed and developed an OSC communication module
- Integrated the Vizia kit with Docker to improve its portability
- Adapted an emotional data collection daemon for an interactive film project in Python
- Developed a communication mechanism via websockets to send emotions to a custom dashboard for real time visualization

System Test Developer (Internship)

Analogic Corporation, Saint-Laurent

Fall 2020 - Winter 2021

- Designed and developed a tool to test the synchronization of X-ray detectors in Python
- Created a verification and validation process for the application with Jira and Zephyr
- Set up a release pipeline for CI/CD with Atlassian's Bamboo
- Implemented a function in the detector's API to allow management and recovery of raw images in C++

E-commerce Developer, Fullstack (Internship / part-time)

Décathlon Canada, Brossard

Summer 2019 - Summer 2020

- Created a Prestashop module to integrate cross-selling in the website
- Participated in the UI overhaul of the website with JavaScript, Smarty and Sass

PROJETS

Brosse - Mobile application | *Flutter - FlutterFire Stack*

Spring 2020 – Now

- Designed and developed an entire mobile application to animate your evenings with your friends
- Put in production on the Google Play Store
- Deployed a public beta version for iOS with Testflight
- Collected data with Firebase for performance analysis, crashes and user behavior
- Linked a Cloud Firestore database for real-time content management
- Implemented an API for question suggestions with Google Apps Script
- Created mockups on Figma for the UI

Ornithopter - End of year collaborative project

Fall 2018 – Fall 2019

- Developed a printed circuit for the manufacturing of a remote control
- Developed a communication mechanism to control the ornithopter via a wireless remote
- Designed a complete 3D model of the ornithopter
- Created all of the parts using 3D printers, laser cutters and machining machines
- Collaborated with members of other engineering programs
- Participated in a final competition evaluating each team on design, maneuverability, and flight height and accuracy

AWARDS AND RECOGNITION

Minister of Higher Education Excellence Scholarships

Winter 2021

- Amount of \$1000 awarded to students who present a quality academic record through the Government of Quebec's Scholarships for Excellence in Computer Science, Computer Engineering and Electrical, Electronic and Communications Engineering program

TECHNICAL SKILLS

Languages : Swift, C#, TypeScript, Dart, Python, Java, C/C++, SQL, PHP, JavaScript, HTML, CSS

Frameworks : SwiftUI, Combine, RxSwift, .NET, React, Redux, Node.js, EventStore, Flutter

Development tools : Xcode, Git, VSCode, Firebase, Docker, Jira, Confluence, Azure DevOps

Methodology : Agile, Kanban, Design sprint, Scrum

INTERESTS

Sports : Skydiving (License A), competitive ice hockey since the age of 5, golf, snowboarding, hiking, camping.

Traveling : 2 month trip around Canada in a minivan. One month cultural immersion trip in Ecuador, three weeks backpacking trip in Peru.