

# MATTHIEU ROUX

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## Professional Experience

### **ecobee, Server Developer Coop**

May 2019 – June 2020

- Developed ecobee Haven and part of the ecobee smartCamera backend, which launched in 2020.
- Maintained and developed a scalable, event driven backend that powered more than 1.5 million thermostats.
- Initiated the development of a new internal tool that led to vast debugging speed improvements across the company.
- Redesigned and rewrote most of the team's testing frameworks in order to improve robustness and reliability of the team's services.

### **LafargeHolcim, Java Web Developer Intern**

May 2018 – July 2018

- Learned how to build two web apps using MVC, Spring Boot, JPA, Hibernate and MySQL.
- Led the design of one on the app from the UX phase to the front-end and backend implementations.

### **Website Development Intern, Lafarge Canada, Toronto, Ontario**

June 2017 - July 2017

- Coordinated the creation of the Allmix division website which can be found at: <http://allmixconcrete.ca/>

### **Experience Intern, LMA Communication**

April 2017 – May 2017

- Administered and developed existing WordPress websites.

## Education

### **Bachelor of Applied Science, Computer Engineering, Queen's University, Kingston, ON**

September 2016- April 2021

- Completed with 14 months internship at ecobee in Toronto
- Specialization in Software and Data Science
- Cumulative GPA: 3.5

## Skills

- Bilingual in French and English
- Professional experience in Go, Python and Java.
- Also worked on C, C++, Flutter, HTML, CSS and JavaScript/TypeScript.
- Used a wide variety of GCP (PubSub, Datastore, CloudSQL, Cloud Engine) and AWS services.
- Deep understanding of lean development and software pipeline integrations.

## Extracurricular Experience

### **inQubate, Team Member**

August 2020 - April 2021

- inQubate is a subset of Queen's student run AI team (QMIND), with an emphasis on entrepreneurship.

### **QWeb, Director of Design**

September 2018 – April 2019

- Designed numerous websites for our design teams to make
- Instructed teams the fundamentals of making comprehensible UX and elegant UIs.

### **Queen's Hyperloop Team, Team Member**

April 2017 – April 2018

- Conceptualized the basic code of the pod's safety program.

### **Graphic Designer, Engineering Society Communication Team**

September 2017 - April 2018

- Designed content for students in need including logos, graphics, tags, PowerPoint slides and more.
- Refined my skills on Adobe Creative Suite