

# SAMUEL CABRAL CRUZ

B. Eng. Software Engineering, B. Sc. Actuarial Science

@ samuelcabralcruz@gmail.com

📍 Quebec, Canada

👤 SamuelCabralCruz

Ⓜ samuelcabralcruz

✉ 1420 rue du Maud, Lévis G7A 0W8

linkedin samuel-cabral-cruz-42b84a117

📞 (581) 996-2130

👤 INTJ-T

## EXPERIENCE

### Senior Software Developer I

#### TM1 Core Platform

##### Ticketmaster

📅 August 2023 – Present

- Develop and maintain a **micro-UI integration platform**
  - Refactor dependencies injection flow
- Develop and maintain tools to **increase development teams productivity** and eliminate road blocks in their processes
  - Feature flag service
  - UI provisioning with k8s CRDs
  - Pulumi configuration resolution library
- Drive the **adoption of cutting-edge technologies**



📍 Quebec, CA

- **Support ~150 developers** across multiple development teams to facilitate their integration with the platform and the tools
- **Influence development teams designs and architectural decisions**
- **Monitor provided services usage and adoption**
- **Define coding standards for development teams**
- Document and communicate **development good practices**
- Participate to **on-call support** for all development and production environments

### Software Developer

#### Ingeno

📅 June 2020 – August 2023

- Contribute to various **development projects**:
  - Marketing analytics application for an event management platform
  - POSs integration facade for an online food ordering and delivery platform
  - Smart objects life cycle management platform
  - Commercial and residential condos building service management platform
  - Surgeries scheduling optimization UI

📍 Quebec, CA

- Core domain of an advertisement placement optimization company
- Produce **technical audits**
- Manage **client interactions**
- Create and maintain **templates to simplify project configuration**
- **Supervise students** in their bachelor project
- Participate to **recruiting process**



### Software Developer

#### DashThis

📅 May 2019 – June 2020

- Maintain a dashboard creation platform to track performance of **online advertising campaigns**
- Participate to product design workshops
- Ensure quality of weekly releases (**Manual Testing**)



📍 Quebec, CA

- Instrument the application to **analyze users' behavior**
- Manage the integration of **different code base versions** inside the same monolith
- Refactor legacy code when needed

### Software Developer - Intern

#### XpertSea

📅 January 2019 – May 2019

- Refactor business' administration platform
- Occasionally modify the **Python backend**

📍 Quebec, CA

- Migrate functionalities from **ember.js** application to **Polymer** (Web Components + Shadow DOM)



### Actuarial Analyst

#### Property Ratemaking

#### Desjardins General Insurance Group (DGIG)

📅 May 2013 – December 2017

📍 Quebec, CA

- Contribute to the integration of State Farm's Canadian book of business
- Create a **conversion solution's KPIs monitoring dashboard** (**EXCEL/VBA**)
- Establish 2017 Budget's assumptions
- Write scripts to identify, extract, produce and validate the information contained in the pricing system

- Review various **segmentation and pricing models**
- Bulk extraction from indemnification agent notes using **NLP approaches**
- Redesign the **data extraction pipeline** used to create fraud models
- Create a SAS scripts documentation generator using **XSD, XML and XSLT**



# EDUCATION

---

## Laval University

### Bachelor's Degree in Software Engineering

- 📅 January 2017 – May 2020     🌐 Quebec, CA  
• Minors: International and Distinction  
• GPA: 4.22/4.33

## Norwegian University of Science and Technology (NTNU)

### Master's Degree in Computer Science

- 📅 January 2018 – June 2018     🌐 Trondheim, NO  
• Student exchange program

## Laval University

### Bachelor's Degree in Actuarial Science

- 📅 September 2012 – May 2015     🌐 Quebec, CA  
• GPA: 3.96/4.33

# ACHIEVEMENTS

---



### Certifications

AWS Certified Developer – Associate	2023
Site Reliability Engineering Foundation	2023
DevOps Foundation	2023
Professional Scrum Product Owner™ I	2023
Professional Scrum with Kanban™ I	2023
Professional Scrum Developer™ I	2023
Professional Scrum Master™ I	2023
AWS Certified Cloud Practitioner	2021



### Professional Exams

CAS CP - Course on Professionalism	2016
CAS 5 - Ratemaking and Claim Liabilities	2015
CAS C2 - Accounting, Law, and Regulation	2015
CAS ST - Stochastic Processes	2014
CAS LC - Life Contingencies	2014
CAS C1 - Risk Management	2014
CAS 4 - Actuarial Models	2014
CAS 3F - Financial Economics	2013
CAS 2 - Financial Mathematics	2013
CAS 1 - Probability	2013



### Scholarships

Desjardins Excellence Scholarship	2018
Laval University Admission Scholarship	2011



### Competitions

Truncated Claim Amounts Extrapolation	2015
1st Place - Desjardins General Insurances Group	
Asset-Liability Matching Optimization	2015

# PROJECTS

---

## Going | 🛡️

2024

```
/**  
 * Go Libraries mono-repository leveraging  
 * generics to offer multiple common utilities  
 */  
tags = ["Dependency Injection", "Mocks",  
"Tests utilities", "Error Handling",  
"Expectations Builder"]
```

## Commit Bucket Deploy (CBD) | 🛡️

2021

```
/**  
 * GitHub Action to deploy static websites  
 * within pull requests' life cycle  
 */  
tags = ["GitHub Actions", "Bash/Shell",  
"AWS CDK", "TypeScript", "UI", "Static Website",  
"Pull Requests", "Code Reviews"]
```

## Free Code Coverage | 🛡️ | 🛍️

2021

```
/**  
 * About GitHub Action to enforce code  
 * coverage maintenance on pull requests  
 */  
tags = ["GitHub Actions", "Bash/Shell",  
"Code Coverage", "Pull Requests",  
"Code Reviews"]
```

## Unversolved Review Threads | 🛡️ | 🛍️

2021

```
/**  
 * GitHub Action to block pull requests with  
 * unresolved review threads  
 */  
tags = ["GitHub Actions", "TypeScript", "Jest",  
"Pull Requests", "Code Reviews"]
```

## RaftmanCG | 🌐

2019

```
/**  
 * University Projects Delivery Platform  
 * Features:  
 * - Project Statements Publication  
 * - Delivery Management  
 * - Feedback on Delivery  
 * - Correction Automation  
 * - Team Management  
 * - Deliveries Archive  
 * - Reviews/Results Publication  
 */  
tags = ["Ruby on Rails", "Active Record",  
"RSpec", "minitest", "Rake", "Docker",  
"Digital Ocean"]
```

# STRENGTHS

---

- Autodidact
- Business Awareness
- Disciplined
- Negotiation
- Organization
- Fast Learner
- Persuasive
- Problem Solving
- Tenacious
- Hard-Working