

Samuel Cabral Cruz

B. Sc. Actuarial Sciences

General Information



May 14th, 1992



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Quebec, Canada



[GitHub Profile](#)



[LinkedIn Profile](#)



Personality Type: **INTJ-T**

Languages

English



French



Working Skills

Commercial Awareness

Communication

Confidence

Leadership

Perseverance

Negotiation

Organized

Problem Solving

Repetitive Tasks

Team Working

Work Under Pressure

Education

Software Engineering - Bachelor Degree

University Laval

[01/2017 - Present]

Software Engineering - Exchange Semester

Norwegian University of Science and Technology

[01/2018 - 06/2018]

Actuarial Sciences - Bachelor Degree

University Laval

[09/2012 - 05/2015]

Experience

Desjardins, General Insurance Group

Database Analyst - Research and Development

Accomplishments

[05/2017 - 12/2017]

- Bulk extraction from indemnization agent notes using NLP approaches
- Documentation generator using XSD, XML and XSL for SAS
- Redesign of the data extraction pipeline used to create fraud models

Actuarial Analyst - Property Ratemaking

Accomplishments

[05/2013 - 12/2016]

- Creating a dashboard for the monitoring of the conversion solution's KPIs
- 2017 Budget's assumptions for newly acquired State Farm's portfolio
- Integration of State Farm's Canadian book of business acquired in 2014
- Creation of multiple programs in order to identify, extract, produce and validate the information contained in the pricing system
- Segmentation and pricing models revision
 - Endorsement 16c Water Damage (Tenants and Condos)
 - Rented and Vacant Condos

Projects

Bombhunt

Remake of the famous *Bomberman* game

2018

keywords = ["Java", "Android", "LibGDX", "ECS", "GooglePlay"]

Web Security Lab

Securing unprotected PHP framework

2018

keywords = ["PHP", "Apache", "2FA", "TLS", "PWD Storage"]

Assignment Template Light

Paper Redaction Rmarkdown

2018

keywords = ["Markdown", "R", "LaTeX", "BibTeX", "CSL"]

Jukebox

Learn playing music using digital instruments

2017

keywords = ["Java", "Swing", "MIDI", "Unified Process"]

CentraLib

Centralized BibTeX References Manager

2017

keywords = ["Python", "Unit Testing", "TravisCI", "Coverage"]

SAS Mapper

Visually analyze SAS script's workflow

2017

keywords = ["Python", "SAS", "Parsing", "RegEx", "Networkx"]

RaQ2017

R introduction workshop using OpenFlight

2017

keywords = ["R", "Tutorial", "Leaflet", "GIS", "Stats"]

Assignment Template

Document class for assignments

2017

keywords = ["LaTeX", "Efficiency", "GLO", "ULaval", "NTNU"]

CV Template

LaTeX template for the present resume

2016

keywords = ["LaTeX", "Tikz", "Resume", "Template"]

Achievements

Participation to Academic Actuarial Competitions - ActuLab

- Extrapolation of Truncated Claim Amounts

1st Place - Desjardins, General Insurance Group

2015

- Asset-Liability Matching: Optimization under Constraints

1st Place - SSQ, Financial Group

2015

Presentation of the solution at the Cercle Finance Quebec

- Territorial Grouping for Ontario PAP under FISCO Constraints

5th Place - Desjardins, General Insurance Group

2014

Admission Excellence Scholarship

University Laval

2011