Samuel Cabral Cruz

B. Sc. Actuarial Sciences

General Information

- May 14th, 1992
- samuelcabralcruz@gmail.com
- (581) 996-2130
- 249, Route 138, Saint-Augustin-de-Desmaures
- 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

Bachelor Degree
Software Engineering
University Laval — [01/2017 - Present]

Exchange Semester - International Profile
Software Engineering
Norwegian University of Science and Technology — [01/2018 - 06/2018]

Bachelor Degree
Actuarial Sciences
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 (Python)
- Documentation generator (similar to *Doxygen*) using XSD, XML and XSL for SAS
- Redesign of the data extraction pipeline used to create fraud models (SAS)

Actuarial Analyst - Property Ratemaking

Accomplishments — [05/2013 - 12/2016]
- Creating a dashboard for the monitoring of the conversion solution's KPIs
- Production of 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