

# STÉPHANE CARON

## Data Scientist

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📍 Montréal, Canada

🔗 <https://github.com/stecaron>

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## EXPERIENCE

### Senior data scientist

#### Intact Insurance

📅 June 2019 – Now

📍 Montréal, Canada

- Worked on different claims use-cases involving the usage of cars accidents photos (damages assessment, total loss determination, etc).
- Used linear regressions and time series to develop a case reserves model aiming to predict the ultimate value of a claim.
- Involved in the process of interviewing data science interns.

### Actuarial analyst

#### Intact Insurance

📅 Mar 2018 - June 2019

📍 Quebec, Canada

- Developed a fraud detection model intended to detect suspicious claims reported to the company.

### Actuarial analyst

#### Promutuel Assurance

📅 Mai 2015 - Mar 2018

📍 Quebec, Canada

- Developed several dynamic reports on company performances using R reporting tools such as RMarkdown and shiny.
- Created and maintained many data extractions programs.
- Worked on the development and integration of the first usage based insurance product in the company.

## ACHIEVEMENTS

- Associate of the Casualty Actuarial Society (ACAS)
- IVADO/MILA Deep Learning School (2018)
- President of .Layer, a NPO involved in the data science community in Quebec.
- Sports Vice-President of the association of students in Actuarial Sciences of Laval University (2 years).

## TECHNICAL SKILLS

- R, Python, SQL, Excel, VBA, SAS
- Linux, AWS Cloud Computing (beginner), Docker (beginner)

## PERSONAL SKILLS

- Having leadership qualities.
- Great team player.
- Ability to initiate a project or solving a problem having no clear direction.

## HOBBIES

- Fishing, hunting and hiking.
- Traveling and discovering new places.
- Cooking and tasting new food.

## EDUCATION

### Master in Statistics (with thesis)

#### Université Laval

📅 Sep 2017 – Dec 2020

### Bachelor in Actuarial Science

#### Université Laval

📅 Sep 2012 – May 2015

## PROJECTS

### Anomaly detection using the encoded representation of variational autoencoders (VAE) 🔗

- In my master degree thesis, I used the encoded representation of a VAE to detect abnormal images from a dataset. I also did compared this approach with traditional anomaly detection methods applied on images.

### Semantic segmentation on hockey broadcasts images 🔗

- In this school team project, we designed and trained a convolutional neural network (CNN) model capable of learning the semantic of hockey broadcast images. We annotated the images using polygons, and then trained a U-Net architecture to predict a class (red line, blue line, ice, crowd, etc) for every pixel. We also presented this project at 2019 Ottawa Hockey Analytics Conference poster session.

### Meetup ML in Insurance

- I was one of the organizer of this meetup event

### Big Data Cup 2021: Ottawa Hockey Analytics Conference 🔗

- During this competition, we proposed an analysis on the impact of winning offensive zone faceoffs during a hockey game. We participated in the "Open" category.

### .Layer blog website 🔗

- I contributed to the building of the NPO blog website using Hugo framework. I also contributed by writing multiple posts and reviewing others.