STÉPHANE CARON

Data Scientist

@ ste.caron@icloud.com   📞 581 997-5006   📍 Montréal, Canada   in linkedin.com/in/ste-caron/   ⬤ github.com/stecaron

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   📍 Québec, Canada

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

Actuarial analyst
Promutuel Assurance

📅 May 2015 - Mar 2018   📍 Québec, Canada

- Developed several dynamic reports on company performances using R reporting tools such as `RMarkdown` and `shiny`.
- Created and maintened 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, Git, LaTeX, 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 traditionnal anomaly detection methods applied on images. Find out more.

Semantic segmentation on hockey broadcasts images

- In this 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 model using the U-Net artchitecture 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. Find out more.

Meetup ML in Insurance

- I contributed to the organization of a machine learning meetup and I was also responsible for defining the problematic proposed during the hackathon part of the event. The problem asked was to detect green roofs on buildings satellite pictures.

Big Data Cup 2021: Ottawa Hockey Analytics Conference

- In this competition, we proposed an analysis on the impact of winning offensive zone face-offs during a hockey game. We participated in the "Open" category. Find out more.

.Layer blog website

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