

# Ayman Khechman

DATA SCIENTIST

Montréal, Québec

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## Work Experience

### Société Générale

Montréal, Québec

DATA SCIENTIST

October, 2022 - Present

- Developed a pipeline using Airflow to extract data to the cleaning phase.
- Building models to detect fraud transaction using ensemble techniques and NLP.

### Aviva Canada

Montréal, Québec

STATISTICAL ANALYST (DATA SCIENCE)

March, 2021 - October, 2022

- Developed a Luigi pipeline in order to retrieve data from a Postgres database, then proceed with the cleaning and feature engineering steps.
- Automated the monitoring process from pulling the data, to cleaning and processing using Scikit-learn pipeline reducing the time frame from several days to few hours.
- Participated in steps of developing a model as feature engineering, EDA, model-selection and tuning and ran multiple models as XGBOOST/GAM, and a hyper-tuning process to find the best set of parameters
- Developed a dashboard using the Streamlit package for non-technical people which gave them capabilities to score within an UI interface.
- Wrote a python script to detect covariate-shift using statistical techniques instead of trying to identify covariate-shift within the EDA phase which helped saving time.

### GAA

Montréal, Québec

ANALYST OF DATA QUALITY

Oct. 2020 - March, 2021

- Verify that the data respect the data quality's norms.
- Extracting data using various technologies.

### UQAM

Montréal, Québec

TUTOR

Aut. 2019 - March, 2020

- Resolved exercises with the students in class.
- Helped students having difficulties understanding part of the material.

## Technical Skills

- Programming Languages: Python (Advanced level), R, SQL, JavaScript (currently learning).
- RDBMS: Postgres, Hadoop
- DAG Tools: Airflow, Luigi
- Technologies: Docker, Git/Bitbucket, Confluence, Jira.
- Packages: Pandas, Numpy, Scipy, matplotlib, Plotly, Seaborn, Pytorch, Scikit-Learn, Hydra, DVC (Data version control)
- Cloud technologies: AWS Cloud environment
- Other: Worked in an Agile Scrum environment.

## Education

### Université du Québec à Montréal

Montréal, Québec

B.S. IN ACTUARIAL SCIENCE

Jan. 2017 - March, 2020

### Codecademy

LEARN ADVANCED PYTHON 3 COURSE [LINK](#)

April 2022

### UC SanDiego

ALGORITHMIC DESIGN AND TECHNIQUES [LINK](#)

July 2023

### UC SanDiego

DATA STRUCTURES FUNDAMENTALS [LINK](#)

July 2023