

Alex-Antoine Fortin

Education

Master of Science, Statistics 2015
UNIVERSITY OF TORONTO

Bachelor of Science, Mathematics 2011
UNIVERSITY OF MONTRÉAL

Interests

Statistical computing Recurrent Neural Net Scalable Machine Learning Better the world

Work history

Statistical Research Modeler, American Family Insurance Since 2015
Spark, Hive, Python, Flask, Scipy, Scikit-learn
- Signal processing on GPS coordinates
- Predictive modeling for our property subrogation project
- Databases fuzzy matching
- Department's website owner

Research Assistant, Professor Nancy Reid, University of Toronto Summer 2015
- Creating a R-package for higher-order inference

Teaching Assistant (statistics), University of Toronto 2014 - 2015
- Putting complex ideas into simple words
- Solving problems with students in a clever way

Senior Actuarial Analyst, RSA Insurance Group 2012 - 2014
- Designing new approaches to quantify risks
- GLM and categorical data analysis

Side project

Machine learning, Pilot Since 2016
AWS, Docker, Python, TensorFlow, Scikit-learn, Scrapy, Flask
Pilot is an automated trading platform, profitably trading the EUR/USD using neural networks on oanda.com.
- Signal processing
- Machine learning (RNN, deep reinforcement learning)
- Remote computing, RESTful API
- Web scraping

Skills

Languages: HiveQL, Python, Spark Natural languages: English, French
Other: AWS, Apache, Docker, Git, MongoDB, Ubuntu

Social Involvements

Volunteer on the CAS research grant task force (funding professors' research) Since 2016
MSc. representative at the Statistical Graduate Student Union 2014 - 2015
Recruitment at several career fairs 2011 - Now
Tutoring (Math) 2009 - Now