

David Beauchemin

✉ david.beauchemin@baseline.quebec

☎ (514) 250-3616

🔗 See GitHub ↗*

🌐 See profile ↗*

Education

2020 –



Doctor of Philosophy, Computer Science | Machine Learning | Natural Language Processing

Laval University

GRAIL - Group for Research in Artificial Intelligence of Laval University ↗*

2018 – 2020



Master's degree in Computer Science | Machine Learning | Natural Language Processing

Laval University

GRAIL - Group for Research in Artificial Intelligence of Laval University ↗*

Thesis subject: *Détection de doublons parmi des informations non structurées provenant de sources de données externes*

2015 – 2018



Bachelor's degree in actuarial sciences

Laval University

Experiences

Professional

2019 –



Applied AI Researcher in Natural Language Processing

Baseline

Applied AI research for clients & specialized formation in AI

2019 –



Developer

Poutyne ↗*

Feature developement

2019 –



Founder, Researcher, and Interviewer

OpenLayer podcast ↗*

AI content creation

2018 –



Event planning

Meetup Machine Learning Québec

Co-organization of events in Québec city

2019 – 2020



AI scientist

Vooban

Technical advisor in artificial intelligence

Teaching

2016 –



Teaching Assistant

Laval University, École d'actuariat

Introduction à l'actuariat I, Gestion du risque financier I, Analyse et traitement collectif du risque, Informatique pour actuaire, Méthodes numériques en actuariat, Mathématiques actuarielles IARD II, Modèles linéaires en actuariat, Programmation avec R pour l'analyse de données

2019 – 2020



Teaching Assistant

Laval University, BDRC - Big Data Research Center

Winter school in machine learning

Research



2020 –

Research Assistant

Laval University, IID - Institute Intelligence and Data

Female Workers Facing the Challenge of Digital Transformation: A Case Study in the Insurance Sector

Christian Gagné, Future skills centre



2020

Research Assistant

Laval University, *École d'actuariat*

Plateforme libre de validation et d'étalonnage de prévisions financières et actuarielles

Vincent Goulet, Laval University actuarial science research chair



2019

Research Assistant

Laval University, GRAIL - Group for Research in Artificial Intelligence of Laval University

Information gathering using external unstructured data sources

Luc Lamontagne, NSERC/Intact Financial Corporation Industrial Research Chair in Machine Learning for Insurance



2019

Research Assistant

Laval University, GRAIL - Group for Research in Artificial Intelligence of Laval University

Learning taxonomy of professional skills

Luc Lamontagne, ENGAGE project



2018

Research Assistant

Laval University, *École d'actuariat*

Intergenerational equity: metrics for conditional indexation in pension plans

Louis Adam, Laval University actuarial science research chair



2018

Research Assistant

Laval University, GRAIL - Group for Research in Artificial Intelligence of Laval University

Weighted bootstrapping method for word relation extraction

Luc Lamontagne

Publications

Article

- 2020 David Beauchemin, Nicolas Garneau, Eve Gaumond, Pierre-Luc Déziel, Richard Khoury and Luc Lamontagne. *Generating Intelligible Plumitifs Summaries: Use Case Application with Ethical Considerations* *. The 13th International Conference on Natural Language Generation.
- 2020 Marouane Yassine, David Beauchemin, François Laviolette and Luc Lamontagne. *Leveraging Subword Embeddings for Multinational Address Parsing* *. IEEE CiSt'20, MNLP.
- 2019 Nicolas Garneau, Mathieu Godbout, David Beauchemin, Audrey Durand and Luc Lamontagne. *A Robust Self-Learning Method for Fully Unsupervised Cross-Lingual Mappings of Word Embeddings: Making the Method Robustly Reproducible as Well* *. REPORLANG@LREC2020.

Other publication

- 2017 David Beauchemin and Vincent Goulet *Typesetting actuarial symbols easily and consistently with `actuarialsymbol` and `actuarialangle`* *

Packages

- 2020 Marouane Yassine et David Beauchemin *Deepparse: A state-of-the-art deep learning multinational addresses parser* *
- 2019 David Beauchemin *Notif: The notification package for every python project* *
- 2017 Simon-Pierre Gadoury and David Beauchemin *nCopula: Hierarchical Archimedean Copulas Through Multivariate Compound Distributions* *
- 2017 Vincent Goulet and David Beauchemin *actuarialsymbol - Actuarial notation with \LaTeX* *