Rafael Lacerda

Toronto, Canada
https://lacerda.ml
rafaelplmelo@gmail.com
(647) 878 9650

Research Interests

Data Science   Machine Learning   Natural Language Processing   Economics   Information Retrieval

Industry Experience

ROSS Intelligence, *Legal Technology, Toronto, Canada*　　　　　　　　　　**May 2017 - Current**
Machine Learning Engineer
- Applied research in the legal domain
- Research, development and deployment of machine learning models, microservices and pipelines
- Question Answering, Ranking, Text Classification, Segmentation, Summarization, Pipelines
- Speed and quality improvements in Information Retrieval

OR Empreendimentos, *Real Estate Investment, São Paulo, Brazil*　　　　　　**2014 - 2016**
Financial Analyst
- Coordination and execution of the Business Intelligence endeavor
- Improved intelligence productivity of the department, saving 80 man-hours/month
- Developed financial risk and budget models, saving over 3MM USD monthly

Zocprint, *Rocket Internet Venture, São Paulo, Brazil*　　　　　　　　　　　　**2013**
Head of Customer Service
- Developed and grew a new customer service department within the organization
- Hired and managed 9 customer service agents
- Defined, mapped customer service business processes and data collection
- Department was entirely data-driven, with employee productivity tracked, forecasting for future hires
- Defined Key Performance Indicators and Service Level Agreements
- Quantitative quality feedback to the operations department

Skills

- Deep Learning, focused on Language Models
- Python, R, Java, Groovy, VBA, Bash, SQL
- Keras, Pandas, Tensorflow, Numpy
- General classification, regression algorithms
- Microservices, Docker, Kubernetes
- AWS, Falcon, Flask, API development

Education

MSc. In Applied Computing (MScAC), *University of Toronto*　　　　　　　Sep 2016 – Dec 2017
Courses
- Introduction to Machine Learning
- Natural Language Computing
- Probabilistic Learning and Reasoning
- Human-Computer Interaction
- Computational Neuroscience

BSc. In Economics, *Universidade Presbiteriana Mackenzie*　　　　　　　　Aug 2011 – Jun 2014
Courses of note
- Econometrics
- Industrial Organization