# Rafael Lacerda

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## Career Objective

Adaptable professional with ~5 years of experience and proven knowledge in data science, natural language processing and machine learning engineering. I aim to leverage my skills and experience to fulfill your company's data science and machine learning needs.

## Education

**MSc. in Applied Computing**, Sep 2016 — Dec 2017
**University of Toronto**, *Department of Computer Science*

- Courses: Natural Language Processing, Computational Neuroscience, Probabilistic Learning and Reasoning.
- Recipient of 30k Mitacs scholarship (2x terms).

**BSc. in Economics**, Aug 2011 — Jul 2014
**Universidade Presbiteriana Mackenzie**, *Department of Applied Social Sciences*

- Final thesis on a time series model to measure the effects of uncertainty brought upon by Federal intervention on oil policy.
- 6 month internship at a hedge fund (Kondor Invest, risk office).

## Work Experience

**Machine Learning Engineer**, May 2017 — Feb 2019
*Ross Intelligence, Toronto, ON*

- Developed a state-of-the-art legal research system that surpassed IBM Watson's performance, leveraging deep learning, NLP and legal domain knowledge.
- Involved in all stages of Research, Development and Deployment in a distributed architecture.

**Treasury Analytics**, Aug 2014 — April 2016
*OR Investimentos, São Paulo, Brazil*

- Developed Business Intelligence systems to monitor aggregate treasury risk daily. Used Python, VBA, PL/SQL.
- Developed models to estimate bank risk when CDS spreads were unavailable.
- Created a system to manage 300+ regional branches' bank balances, saving over 3MM USD monthly by optimizing cash efficiency.

**Head of Customer Service**, Jan 2013 — Nov 2013
*Zocprint, São Paulo, Brazil*

- Developed and grew a new data-driven customer service department within the organization.
- Implemented data collection and processes to automatically close the feedback loop to the operations department. Used Python, MySQL, BPMN, VBA.
- Hired and managed up to 9 CS agents.

## Frameworks

- **Machine Learning:** Python, R, Tensorflow, Pandas, Scikit-learn, Solr, Spacy.
- **Software Engineering:** SQL, NoSQL, Redis, Docker, Travis CI, REST APIs, AWS ecosystem.