

# Joel PONTE

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## EDUCATION

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### ENSIMAG

Master of Science in Informatics; Data Science track; Score: 15/20

Grenoble - France

Sep 2017 - Jul 2018 (expected)

### Cornell University

Master of Engineering in Engineering Physics; GPA: 3.37

Ithaca - United States

Aug 2014 - May 2015

### University of British Columbia

Non-degree international student; Physics

Vancouver - Canada

Aug 2012 - Sep 2013

### Universidade Federal do Ceará

Bachelor of Science in Physics; Score: 87%

Fortaleza - Brazil

Feb 2010 - Jul 2014

## WORK EXPERIENCE

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### Atos & AMA lab

Master of Science Intern

Grenoble - France

Feb 2018 - Jul 2018 (expected)

- **Text Classification:** The project consists of multi label classification of paragraphs in medical documents. The problem touches multiple topics in machine learning: words representations, supervised learning, semi-supervised learning, class imbalance techniques and multi label classification techniques.

### Pin People

Freelance Data Scientist

São Paulo - Brazil

May 2017 - Sep 2017

- **Performance prediction:** Developed machine learning models to predict performance of job candidates using employees' data for a leading company of its sector. Outperformed the model being used before.

### Ernst & Young

Data Analytics Consultant

São Paulo - Brazil

Oct 2016 - Apr 2017

- **Predictive analytics:** Worked in teams building predictive models for telecommunications, agriculture and steel companies. The projects were, respectively, about predicting chances of being sued by clients, productivity of farms and the future price of a commodity.

### Pin People

Data Scientist

São Paulo - Brazil

Mar 2016 - Oct 2016

- **Cultural fit:** Developed machine learning models to predict the cultural fit between job seekers and companies. The new model replaced older one, increased accuracy by up to 20% and eliminated the need to manually create new training sets for new clients.
- **Data visualization:** Created R/Shiny dashboards for data presentation and to help data labelling.

### Multiple Research Groups

Research Intern

Brazil, Canada and USA

Feb 2011 - May 2015

- Multiple research projects during B.S. and M.Eng. degrees. The topics were Percolation Theory, Evolutionary Game Theory (during bachelor's degree) and computer simulations of nanostructured solar cells (during master's degree). Their main tools used were C and MATLAB.

## SKILLS

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- **Machine Learning:** supervised, unsupervised, semi-supervised and deep learning, NLP, exposure to learning to rank and multilabel algorithms.
- **Tools:** Python, R, Jupyter and some knowledge of Spark, SQL, SAS Guide and SAS Miner.
- **Data Visualisation:** ggplot2, seaborn, bokeh, plotly, highcharter, shiny and exposure to D3.js, HTML, CSS.
- **Other computer skills:** C, MATLAB, LaTeX, Mathematica, Microsoft Office, Linux.
- **Languages:** Portuguese (native), English (fluent) and some knowledge of Spanish and French.
- **Honours & Awards:** Gold medal in the Brazilian Physics Olympiad, Magna Cum Laude and 6th place (1st in Brazil) among 845 participants in Ernst & Young's machine learning challenge on datascience.net.
- **Interests:** Machine learning, statistics, data visualisation, MOOCs, music, video games and travelling.
- **Selected coursework:** Machine Learning Fundamentals, Fundamentals of Probabilistic Data Mining, Advanced Learning Models, Advanced Algorithms for Machine Learning and Data Mining, Time Series Analysis, Convex and Distributed Optimization, Large Scale Data Management.