

## Work Experience

[antoniogois@gmail.com](mailto:antoniogois@gmail.com)

- Mila & Université de Montréal** — *Researcher & PhD candidate (Montréal, Canada)* Sep 2021 — present
- PhD supervised by Prof. Simon Lacoste-Julien (on deep learning and causal inference)
- DeepSPIN, IT** — *Graduate Researcher (Lisbon, Portugal)* Jul 2020 — Jun 2021
- ERC-funded project on deep structured prediction for natural language (focus on causal representations)
- New York University** — *Visiting academic (New York City, USA)* Sep 2019 — Jan 2020
- Research visit under the supervision of Prof. Kyunghyun Cho working on Non-sequential Translation Models
- Unbabel** — *Junior Research Scientist (Lisbon, Portugal)* Jul 2018 — Apr 2020
- Applying deep learning to solve natural language processing tasks related to Machine Translation:
- Learning latent representations of editor behavior using their keystrokes — [Góis & Martins, 2019 \(MT Summit '19\)](#)
  - Winning participation in Quality Estimation Shared Task — [Kepler et al., 2019 \(WMT '19\)](#)
  - Non-sequential Post-Editing system learned from human keystrokes — [Góis, Cho & Martins, 2020 \(EAMT '20\)](#)
- Lisbon Machine Learning School (LxMLS)** — *Senior Lab Monitor (Lisbon, Portugal)* Jul 2017 — Jul 2020
- Teaching Machine Learning Topics to classes mostly composed of international PhD students
- GAIPS, INESC-ID** — *Graduate Student Research Grant (Lisbon, Portugal)* Jan — Jul 2018
- Studying climate change dilemmas with evolutionary game theory — [Góis et al., 2019 \(Nature's Scientific Reports\)](#)
- Probabilistic AI Summer School (ProbAI)** — *Volunteer (Trondheim, Norway)* Jun 2019
- Helping the school organization and attending lectures on variational inference and probabilistic programming
- Feedzai** — *Data Science Research Intern (Lisbon, Portugal)* Jul — Aug 2017
- Developing new algorithms for fraud detection using Machine Learning
- SISCOG – Sistemas Cognitivos SA** — *Part-Time Operations Research Analyst (Lisbon, Portugal)* Feb – Oct 2016
- Developing planning algorithms using operations research optimization to improve company's products
- McKinsey & Company** — *Summer Analyst (Lisbon, Portugal)* Jul 2015
- Responsibilities on par with role of fulltime McKinsey Business Analyst, at a major banking group

## Education

- Instituto Superior Técnico** — *Computer Engineering M.Sc. (Intelligent Systems specialization)* Lisbon, Portugal  
Sep 2015 – Jun 2018 | **Final GPA: 19/20, Academic Excellence Scholarship (best student in 2016/17)**
- NOVA School of Business and Economics** — *Business Administration Degree* Lisbon, Portugal  
Sep 2011 – Jun 2014 | **Final GPA: 17/20 (Top 10%), courses including Calculus I (19/20) and Data Analysis & Probability (17/20)**
- CityU of Hong Kong** — *Exchange Program* Hong Kong, China  
Sep 2013 – Jan 2014
- Universidade de Coimbra** — *Electrical and Computer Engineering Degree (Drop out)* Coimbra, Portugal  
Sep 2009 – Jun 2010 | **First Year Completed, Including Programming Courses: Digital Systems (17/20) and C++ Programming (19/20)**
- ESIDM (#1 Public High School in Portugal)** Coimbra, Portugal  
Sep 2006 – Jun 2009 | **Final GPA: 18.4/20**

## Interests, Activities & Honours

- Music Student/Performer (Sítio de Sons, Hot Clube de Portugal, Freelance) | 2006 – Present**
- Hot Clube de Portugal – Jazz Guitar performance 4-year-long course, finished in June 2015
  - Won 2<sup>nd</sup> place out of 13 schools (2011), in Portugal's biggest Jazz Competition at Teatro Nacional S. Luiz
- Volunteer as a Mathematics tutor (through the social program "SPOT") | Jan – Jun 2018**
- Working one-on-one with a 14-year-old in Bairro Padre Cruz, Lisboa

## Language Skills

**Languages:** Native in Portuguese, Proficient in English (Cambridge CPE), Conversational Fluency in Spanish, Level A1.2 in Mandarin (Hong Kong City University and Confucius Institute)