

Curriculum Vitae

Manoel Horta Ribeiro

manoel.hortaribeiro@epfl.ch

manoelhortaribeiro.github.io

EDUCATION

PhD in Computer Science 2019 - present
Fellowship Program @ EPFL, working with Professor Robert West

MSc in Computer Science 2017 - 2019
Universidade Federal de Minas Gerais **GPA: 4**
Advisors: Wagner Meira Jr, Virgílio Almeida

Relevant Courses: Complex Networks, Probabilistic Graphical Models, Recommender Systems;

Exchange Programme 2014 - 2015
University of Melbourne

Relevant Courses: Knowledge Technologies, Artificial Intelligence;

BSc in Computer Science 2013 - 2017
Universidade Federal de Minas Gerais **GPA: 3.66 (ranked 1st)**

Relevant Courses: Data Mining, Data Visualization, Natural Computing;

WORK EXPERIENCE

Summer Intern Summer 2018
EPFL (École Polytechnique Fédérale de Lausanne) *Advisor: Robert West*
→ Devised a large crowdsourced experiment where workers iteratively summarized texts to study how messages get distorted in information cascades.

Research Intern Two 8-weeks internships in 2016 and 2017
Simula Research Laboratory *Advisor: Sagar Sen*
→ Worked on data visualization and data mining techniques to assess cervical cancer risk. Developed a prototype for visualizing patients trajectories.

Data Scientist 2016 - 2017
Sweetzpot
→ Sweetzspot is a start-up which develops sensors and solutions for sports. I developed models for calculating O2 intake and for stroke detection in the context of rowing.

Software Develop Intern 2014 - 2015
Microsoft Research Center for Social Natural User Interfaces
→ Developed a Microsoft Kinect-based software for *Encounters*, an interactive art installation. Created an over-the-head skeleton tracker based on unsupervised learning techniques.

Research Assistant 2013 - 2017
Universidade Federal de Minas Gerais *Advisor: Wagner Meira Jr*
→ Worked on several topics including: understanding the community around *Twitch.tv*, improving probabilistic models for activity recognition, and, characterizing the association between content tagged as fake and political affiliation on Twitter.

SELECTED PUBLICATIONS

Auditing Radicalization Pathways on YouTube 2019

→ FAT*, ACM, 2020

Manoel Horta Ribeiro, Raphael Ottoni, Robert West, Virglio A. F. Almeida, Wagner Meira Jr

Message Distortion in Information Cascades 2019

→ The Web Conference (formerly WWW), ACM, 2019

Manoel Horta Ribeiro, Kristina Gligoric, Robert West

Characterizing and Detecting Hateful Users on Twitter 2018

→ International Conference on Web and Social Media (ICWSM), AAAI, 2018

Manoel Horta Ribeiro, Pedro H Calais, Yuri A. Santos, Virglio A. F. Almeida, Wagner Meira Jr

“Everything I Disagree With is #FakeNews”: Correlating Political Polarization and Spread of Misinformation 2018

→ Presented at the Data Science and Journalism Workshop held at ACM SIGKDD 2017.

Manoel Horta Ribeiro, Pedro H Calais, Virglio A. F. Almeida, Wagner Meira Jr

Complexity-Aware Assignment of Latent Values in Discriminative Models for Accurate Gesture Recognition 2016

→ Graphics, Patterns and Images (SIBGRAPI), IEEE, 2016.

Manoel Horta Ribeiro, Bruno Teixeira, Antônio Otávio, Wagner Meira, and Erickson Nascimento

AWARDS AND ACHIEVEMENTS

Google Latin America Research Award *October 2018*

Master thesis proposal received a one-year award structured as an unrestricted gift.

International Conference on Web and Social Media 2018 Student Grant *July 2018*

Awarded a scholarship to assist with travel expenses for ICWSM 2018.

Best Graduating Student Award — 1st Place *Winter 2017*

Prize awarded for the student that graduated with the highest GPA.

Travel Fellowship: Cornell, Maryland, Max Planck Pre-doctoral Research School . *2017*

Was awarded a travel fellowship to attend a Pre-doctoral Research School in Saarbrücken, Germany.

Science without Borders Scholarship *2014-2015*

Granted a scholarship to study a year at the University of Melbourne by the Brazilian Government.

SERVICE AND TEACHING

Head TA: Algorithms and Data Structures III *2018*

Program Committee: Data Science, Journalism and Media Workshop (KDD 2018) *2018*

Program Committee: Third Workshop on Abusive Language Online (TBA) *2019*

Ad Hoc Reviewer: ACM Transactions in Social Computing *2018*