Curriculum Vitae — Manoel Horta Ribeiro

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Education

PhD in Computer Science .... *2019 - present*
École Polytechnique Fédérale de Lausanne (EPFL)   **GPA**: 3.74
Advisor: Professor Robert West
*awarded an EDIC fellowship for the first year.

MSc in Computer Science .... *2017 - 2019*
Universidade Federal de Minas Gerais   **GPA**: 4
Advisors: Wagner Meira Jr, Virgílio Almeida
Dissertation: Misinformation, Radicalization and Hate Through the Lens of Users
*finalist for ongoing CS-dissertation award in Brazil

Exchange Programme .... *2014 - 2015*
University of Melbourne

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

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 (for full list see [google schoolar](#))

Auditing Radicalization Pathways on YouTube 2020
→ FAT*, ACM, 2020
Manoel Horta Ribeiro, *Raphael Ottoni, Robert West, Virgílio A F Almeida, Wagner Meira Jr*
*one of the top 100 most influential papers of 2019 according to [altmetrics](#), top 3 in Computer Science.

The Evolution of the Manosphere Across the Web 2020
→ To appear at the International Conference on Web and Social Media (ICWSM), AAAI, 2021
Manoel Horta Ribeiro, *Jeremy Blackburn, Barry Bradlyn, Emiliano De Cristofaro, Gianluca Stringhini, Summer Long, Stephanie Greenberg, Savvas Zannettou*

Automatic diagnosis of the 12-lead ECG using a deep neural network 2020
→ Nature Communications
Antônio H Ribeiro, ***Manoel Horta Ribeiro***, *, Gabriela MM Paixão, Derick M Oliveira, Paulo R Gomes, Jéssica A Canazart, Milton PS Ferreira, Carl R Andersson, Peter W Macfarlane, Meira Wagner Jr, Thomas B Schön, Antonio Luiz P Ribeiro*

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, Virgílio A F Almeida, Wagner Meira Jr*

Awards and Achievements

Finalist in Brazilian Award for Best CS MSc Dissertation (SBC) . . . . *October 2018*

Google Latin America Research Award . . . .*October 2018*

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

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

Science without Borders Scholarship *2014-2015*

Student Grants: ICWSM 2018, TheWebConf 2020.

Media Coverage: My work has received extensive media coverage from venues such as NBC News, WIRED, UOL, MIT Tech Review, NZZ, and El País. Check [here](#) for links!

Service and Teaching

TAing: **Alg. & Data Structures (UFMG 2018), Object Oriented Programming (EPFL 2020)**

Program Committee: **Data Science, Journalism and Media Workshop (KDD 2018), Third Workshop on Abusive Language Online (ACL 2019), Truth & Trust Online Conference (TTO 2020)**

Ad Hoc Reviewer: **ACM Transactions in Social Computing, ACM Transactions on the Web**