

Education

Ph.D. in Computer Science École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland <i>Advisor:</i> Robert West	2019 – present
M.S. in Computer Science Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brazil <i>Advisors:</i> Wagner Meira Jr, Virgílio Almeida	2017 – 2019
B.S. in Computer Science Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brazil	2013 – 2017

Awards and Honors

Forbes 30 under 30 (Europe)	2023
Best Reviewer Award (ICWSM)	2022, 2023
EPFL Best Teaching Assistant Award	2022
Facebook Computational Social Science Fellowship (\$84,000)	2021 – 2022
Best Paper Honorable Mention CSCW	2021
Best Dissertation Brazilian Computing Association (3rd Place)	2020
Featured in Altmetric's 100 most influential papers	2019
Google Latin America Research Award (\$9,000)	2018

Media Coverage: My work has received extensive media coverage from NBC News, WIRED, DER SPIEGEL, Rolling Stone, El País, and various other venues. See go.epfl.ch/manoel-media for more.

Work Experience

Microsoft Research , Redmond, WA, USA <i>Research intern</i> under Siddharth Suri and Teny Shapiro	2023
Reddit , San Francisco, CA, USA <i>Research contractor</i> under Sanjay Kairam	2023
Meta , San Francisco, CA, USA <i>Research contractor</i> under Justin Cheng	2021–2022
Facebook , San Francisco, CA, USA <i>Research intern</i> under Justin Cheng	2021
EPFL , Lausanne, Switzerland <i>Research intern</i> under Robert West	2018
Simula , Oslo, Norway <i>Research intern</i> under Sagar Sen	2017

Service

Area chair for CHI 2023 (Understanding People – Quantitative Methods).

PC member for TTO 2020, TTO 2022, AAAI 2021, ICWSM 2020, ICWSM 2021, ICWSM 2022, ICWSM 2023. IC2S2 2021, IC2S2 2022, IC2S2 2023.

Ad-hoc reviewer for ACM Transactions in Social Computing, ACM Transactions on the Web, PLOS One, EPJ Data Science, CSCW 2021, CSCW 2022, CSCW 2023.

Teaching

Applied Data Analysis, CS-401, EPFL 2020 – 2023
Head teaching assistant — 617 students in the 2023 edition.

Data Visualization, COM-480, EPFL 2021 – 2022
Teaching assistant — 108 students in the 2022 edition.

Algorithms and Data Structures III, DCC005, UFMG 2018
Teaching assistant — Around 100 students.

Invited Talks

Does Enterprise Social Media Shape Communication Networks? 2023
Microsoft, Redmond

Measuring the Impact of Content Moderation? 2023
UCL, London (remote)
ETH Chair of Systems Design, Zürich 2022
Meta Economics Interest Group, Menlo Park (remote) 2022
Google, New York (remote) 2023

Do Platform Migrations Harm the Effectiveness of Content Moderation? 2022
Google, Zürich
Facebook Core Data Science, Menlo Park (remote) 2021
ETH Immigration Policy Lab, Zürich 2022

Auditing Radicalization Pathways on YouTube 2023
Raditube Workshop, Tec de Monterrey, Monterrey (remote)
Hochschule der Künste Bern, Bern 2022
Google, Zürich 2020
MILA, Montréal (remote) 2020

Selected Publications

For full list, see [Google Scholar](#).

Citations: 2166, h-index: 15

★: Papers with students I mentored

‡: Shared authorship

(21) **Causally estimating the effect of YouTube’s recommender system using counterfactual bots**

Homa Hosseinmardi, Amir Ghasemian, Miguel Rivera-Lanas, Manoel Horta Ribeiro, Robert West, Duncan J Watts

Proceedings of the National Academy of Sciences of the United States of America (to appear), 2024

- (20) **Automated content moderation increases adherence to community guidelines**
Manoel Horta Ribeiro, Justin Cheng, Robert West
Proceedings of the ACM Web Conference, 2023
- (19) **Deplatforming Parler did not decrease consumption of fringe social media**
Manoel Horta Ribeiro, Homa Hosseinmardi, Robert West, Duncan J Watts
PNAS Nexus, 2023
- (18) **The Amplification Paradox in Recommender Systems***
Manoel Horta Ribeiro, Veniamin Veselovsky, Robert West
Proceedings of the International Conference on the Web and Social Media (ICWSM), 2023
- (17) **Quotatives Indicate Decline in Objectivity in US Political News***
Tiancheng Hu, Manoel Horta Ribeiro, Robert West, Andreas Spitz
Proceedings of the International Conference on the Web and Social Media (ICWSM), 2023
- (16) **Spillover of Antisocial Behavior from Fringe Platforms: The Unintended Consequences of Community Banning***
Giuseppe Russo, Luca Verginer, Manoel Horta Ribeiro, Giona Casiraghi
Proceedings of the International Conference on the Web and Social Media (ICWSM), 2023
- (15) **Understanding Online Migration Decisions Following the Banning of Radical Communities***
Giuseppe Russo, Manoel Horta Ribeiro, Giona Casiraghi, Luca Verginer
Proceedings of the ACM Web Science Conference, 2023
- (14) **Post approvals in online communities**
Manoel Horta Ribeiro, Justin Cheng, Robert West
Proceedings of the International Conference on the Web and Social Media (ICWSM), 2022
- (13) **Characterizing Alternative Monetization Strategies on YouTube**
Yiqing Hua,[†] Manoel Horta Ribeiro,[†] Thomas Ristenpart, Robert West, Mor Naaman
Proceedings of the ACM on Human-Computer Interaction (CSCW), 2022
- (12) **Volunteer contributions to Wikipedia increased during COVID-19 mobility restrictions***
Thorsten Rupprechter, Manoel Horta Ribeiro, Tiago Santos, Florian Lemmerich, Markus Strohmaier, Robert West, Denis Helic
Nature Scientific Reports, 2022
- (11) **Analyzing the Sleeping Giants Activism Model in Brazil***
Bárbara Gomes Ribeiro, Manoel Horta Ribeiro, Virgílio Almeida, Wagner Meira Jr
Proceedings of the ACM Web Science Conference, 2022
- (10) **Do Platform Migrations Compromise Content Moderation? Evidence from r/The_Donald and r/Incels**
Manoel Horta Ribeiro, Shagun Jhaver, Savvas Zannettou, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, Robert West
Proceedings of the ACM on Human-Computer Interaction (CSCW), 2021
- (9) **The Evolution of the Manosphere across the Web**
Manoel Horta Ribeiro, Jeremy Blackburn, Barry Bradlyn, Emiliano De Cristofaro, Gianluca Stringhini, Summer Long, Stephanie Greenberg, Savvas Zannettou

(8) Sudden Attention Shifts on Wikipedia During the COVID-19 Crisis

Manoel Horta Ribeiro,[†] Kristina Gligorić,[†] Maxime Peyrard, Florian Lemmerich, Markus Strohmaier, Robert West

Proceedings of the International Conference on the Web and Social Media (ICWSM), 2021

(7) Are anti-feminist communities gateways to the far right? Evidence from Reddit and YouTube*

Robin Mamié, Manoel Horta Ribeiro, and Robert West

Proceedings of the ACM Web Science Conference, 2021.

(6) YouNiverse: Large-scale channel and video metadata from English-speaking YouTube

Manoel Horta Ribeiro, Robert West

Proceedings of the International Conference on the Web and Social Media (ICWSM), 2021

(5) Deep neural network estimated electrocardiographic-age as a mortality predictor

Emilly M Lima, Antônio H Ribeiro, Gabriela MM Paixão, Manoel Horta Ribeiro, Marcelo M Pinto Filho, Paulo R Gomes, Derick M Oliveira, Ester C Sabino, Bruce B Duncan, Luana Giatti, Sandhi M Barreto, Wagner Meira, Thomas B Schön, Antonio Luiz P Ribeiro

Nature Communications, 2021

(4) Auditing radicalization pathways on YouTube

Manoel Horta Ribeiro, Raphael Ottoni, Robert West, Virgílio Almeida, Wagner Meira Jr

Proceedings of the ACM Conference on Fairness, Accountability, and Transparency. 2020.

(3) Automatic diagnosis of the 12-lead ECG using a deep neural network

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, Wagner Meira Jr, Thomas B Schön, Antonio Luiz P Ribeiro

Nature Communications, 2020

(2) Message distortion in information cascades

Manoel Horta Ribeiro, Kristina Gligorić, Robert West

Proceedings of the ACM Web Conference, 2019

(1) Characterizing and detecting hateful users on Twitter

Manoel Horta Ribeiro, Pedro H Calais, Yuri A Santos, Virgílio AF Almeida, Wagner Meira Jr

Proceedings of the International Conference on the Web and Social Media (ICWSM), 2018

— preprints —

(C) Prevalence and prevention of large language model use in crowd work

Veniamin Veselovsky,[†] Manoel Horta Ribeiro,[†] Phillip Cozzolino, Andrew Gordon, David Rothschild, Robert West

Under submission: Communications of the ACM, 2023

(B) Protection from evil and good: The differential effects of page protection on Wikipedia article quality*

Thorsten Rupprechter, Manoel Horta Ribeiro, Robert West, Denis Helic

arXiv:2310.12696, *under submission (double-blind)*, 2023

(A) Cross-community interactions with fringe users increase the growth of fringe communities on Reddit*

Giuseppe Russo, Manoel Horta Ribeiro, Robert West

arXiv:2310.12186, *under submission (double-blind)*, 2023

Research Mentoring

Semester projects (EPFL)

2019: Thomas Spilsbury (Ph.D. at Aalto University)

2020: Olivier Lam (Nestlé), Robin Mamie (Fed. Sup. Court), Stanislas Jouven (Firmenich)

2021: Deniz Ira (Swisscom), Marie Reignier-Tayar (Greenly), Leopaul Boessinger (Oracle)

2022: Francis Murray, Marie Biolková (Swisscom), Jordi Martinell (SBB), Mihaela Berezantev (ELCA)

2023: Mateo Echeverry Hoyos

Master theses (EPFL)

Julia Majkowska (Google) 2022

Tiancheng Hu (Ph.D. at Cambridge) 2022

Maciej Styczen (Uber) 2023

Leopaul Boessinger (Oracle) 2023

Francesco Salvi (ongoing) 2023

Paula Rescala (ongoing) 2023

Others

Barbara Gomes Ribeiro (undergraduate student; Google) 2020

Breno Matos (summer intern) 2020

Veniamin Veselovsky (research assistant) 2022–2023

Giuseppe Russo (visiting Ph.D. student) 2023

Thorsten Rupprechter (visiting Ph.D. student) 2023