



Education

PhD | Computer science

Universitat Pompeu Fabra, Spain
2015 - 2019

- Computational Social Science, Social Network Analysis, Civic Tech, Technopolitics

MS | Artificial intelligence

UNED, Spain
2013 - 2016

- Honors in AI Applications for Human and Sustainable Development

Exchange | Computer science

Luleå Tekniska Universitet, Sweden
2008 - 2009

- Erasmus programme

BS+MS | Computer science

Universidad de Zaragoza, Spain
Fall - 2010

- Honors in Languages, Syntax and Automata
- Honors in Advanced Databases

Skills

Programming python • java • lisp

Data analysis igraph • numpy • nltk
pandas • scikit-learn • hadoop

Web html • css • javascript

Dataviz d3.js • gephi • sigma.js

Databases mysql • mongodb • solr
lucene • elasticsearch

Other git • \LaTeX • markdown • ms office

Languages

Spanish	native
English	full professional
Catalan	full professional
French	elementary

Work experience

Universitat Pompeu Fabra | Doctoral researcher

Barcelona, Spain, Oct 2015 - Present

- Research at the Artificial Intelligence and Machine Learning research group of the Department of Information and Communication Technologies.

Eurecat - Technology Centre of Catalonia | Research scientist

Barcelona, Spain, May 2015 - Present

- Research at the Big Data & Data Science unit. in projects for understanding social and political phenomena through the analysis of data from the Internet:
 - DEcentralised Citizens Owned Data Ecosystem (DECODE)

Oxford Internet Institute, University of Oxford | Visiting scholar

Oxford, United Kingdom, Jan 2018 - Mar 2018

- Research on the social, cultural and temporal patterns of online petition platforms.

Barcelona Media Foundation | Research scientist

Barcelona, Spain, Jul 2011 - Apr 2015

- Research at the Social Media group, focused on cultural studies on Wikipedia and the characterization of new forms of political organization in social media:
 - Decentralised Citizens ENgagement Technologies (DCENT)

Cierzo Development LLC | Data engineer

Zaragoza, Spain, Sep 2009 - Jun 2011

- Design of high-scalable systems for social media monitoring

Community-centric research projects

Democratic Innovation Lab | Co-founder

Barcelona, Spain, May 2019 - Present

- Open research lab space to address citizen challenges in an intelligent, participatory and democratic manner

Metadecidim Lab | Co-founder

Barcelona, Spain, Mar 2017 - Present

- Open research seminars to guide the co-design of Decidim, the free open source platform for participatory democracy

Medialab-Prado | Fellow

Madrid, Spain, Sep 2015 - Apr 2019

- Applied research to improve the participatory democracy platform of Madrid

DatAnalysis15M | Co-founder

Global, May 2012 - Present

- Interdisciplinary research network of people interested in data analysis to generate a framework for new forms of collective action

Services

Program committee

- www 2019
- icwsm 2016-2019
- websci 2019
- socinfo 2017-2019
- euro-css 2017-2019
- ic2s2 2018

Journal reviewing

- PLOS ONE
- EPJ Data Science
- Policy & Internet
- Information Systems Frontiers

Academic supervision

- Gallego H. (2017), Computational comparative analysis of the Twitter networks of the 2015 and 2016 Spanish national elections
MS thesis on Intelligent Interactive Systems, Universitat Pompeu Fabra

Teaching

Universitat Pompeu Fabra

teaching assistant, 2015-2016

- Linear algebra and discrete mathematics

Universidad de Granada

invited lecturer, 2019

- Data science for the common good

Universidad de Zaragoza

invited lecturer, 2019

- Data science for the common good

Instituto Tecnológico de Monterrey

invited lecturer, 2017 & 2016

- Computational social science

Universidad Autónoma de Querétaro

invited lecturer, 2016

- Computational social science

Universidad Autónoma de Madrid

invited lecturer, 2013

- Social network analysis

Universitat Autònoma de Barcelona

invited lecturer, 2013

- Social network analysis

Universitat Oberta de Catalunya

invited lecturer, 2012

- Social network analysis

Selected publications

PhD

- Aragón, Gómez, & Kaltenbrunner (2017) To thread or not to thread: the impact of conversation threading on online discussion. *icwsm* 
- Aragón, Gómez, García, & Kaltenbrunner (2017) Generative models of online discussion threads: state of the art and research challenges *jisa* 
- Aragón, Gómez, & Kaltenbrunner (2017) Detecting platform effects in online discussions. *policy & internet* 
- Aragón, Kaltenbrunner, Calleja-López, Pereira, Monterde, Barandiaran & Gómez (2017) Deliberative platform design: the case study of online discussions in decidim barcelona. *socinfo* 
- Gallego, Laniado, Kaltenbrunner, Gómez, & Aragón. (2017) Lost in re-election: a tale of two Spanish online campaigns. *socinfo* 
- Aragón, Volkovich, Laniado, & Kaltenbrunner (2016) When a movement becomes a party: computational assessment of new forms of political organization in social media. *icwsm* 
- Eom, Aragón, Laniado, Kaltenbrunner, Vigna & Shepelyansky (2015) Interactions of cultures and top people of Wikipedia from ranking of 24 language editions. *plos one* 
- Gallego, Laniado, Kaltenbrunner, Gómez, & Aragón. (2017) García-Gavilanes, Kaltenbrunner, Sáez-Trumper, Baeza-Yates, Aragón & Laniado (2014) Who are my Audiences? A Study of the Evolution of Target Audiences in Microblogs *socinfo* 
- Peña-López, Congosto & Aragón (2014). Spanish Indignados and the evolution of the 15M movement on Twitter: towards networked para-institutions. *jscs* 
- Neff, Laniado, Kappler, Volkovich, Aragón, & Kaltenbrunner (2013) Jointly they edit: examining the impact of community identification on political interaction in Wikipedia. *plos one* 
- Aragón, Kappler, Kaltenbrunner, Laniado, & Volkovich (2013), Communication dynamics in Twitter during political campaigns: the case of the 2011 Spanish national election, *policy & internet* 
- Aragón, Kaltenbrunner, Laniado, & Volkovich (2012) Biographical social networks on Wikipedia – a cross-cultural study of links that made history. *wikisym* 
- Aragón, Gould, Kaltenbrunner, Kappler, Laniado, Ruiz de Querol, Ullod, & Volkovich (2012) Bridging the gap: a reflection on an interdisciplinary approach to social media research. *www* 

Awards

Best paper/poster awards

- 2016 - Internet Policy and Politics Conference: The Platform Society
- 2016 - ETIC 4th Doctoral Students Workshop

Scholarships

- 2015-2019 - PhD: María de Maeztu Units of Excellence Programme
- 2008-2009 - Erasmus: Extraordinary scholarship for students with the best academic record