

CV Elena Fernández Fernández

RESEARCH PROFILE

Highly interdisciplinary researcher with a background in Humanities (Philology B.A., Cultural Studies M.A. and PhD), and a training in Data Science.

RESEARCH INTERESTS

Data Science: Digital Humanities, Computational Social Science, Media and Communication Studies.

EMPLOYMENT HISTORY

- **Lecturer** **2023-**
University of Zurich.
- **MSCA-IF Post-Doctoral researcher.** **2021-2023**
Principal Investigator of GLOTECH.
Host: Department of Computational Linguistics, University of Zurich.
Research collaborations: Copenhagen Center for Social Data Science (SODAS), University of Copenhagen; Coginitive Systems, DTU (Technical University of Denmark). Laboratory for the History of Science and Technology, EPFL; The NULab for Texts, Maps, and Networks, Northeastern University.
- **Eurotech Post-Doctoral researcher.** **2019-2021**
Principal Investigator of PRESSTECH.
Host: Professorship of Computational Social Science and Big Data, Technical University of Munich.
Co-host: Data Mining Chair, Technical University of Eindhoven.

EDUCATION

- **PhD Hispanic Languages and Literatures, UC Berkeley.** **2013-2019**
GPA: 3.92/4
UC Berkeley Certificate in Teaching and Learning in Higher Education 2017
The Certificate in Teaching and Learning in Higher Education is a Teaching Certificate that helps graduate students to develop their classroom skills, prepare for the teaching they will do as future faculty, and professionally document their activities as post-secondary instructors. Requirements include attendance to a Teaching Conference, completion of an online course “GSI Professional Standards and Ethics Online Course“, enrollment in a 300 level pedagogy course, attendance to six workshops on education, faculty class observations and submission and approval of a Teaching Portfolio. (<https://gsi.berkeley.edu/programs-services/certificate-program/certificate-requirements/>)
Workshops attended:
Teaching Statement Exchange
How Students Learn
Teaching Strategies
Teaching Philosophy Statement
Syllabus Course Design
Grading and Assessment
- Visiting Research Scholar at CSIC (Consejo Superior de Investigaciones Científicas-Spanish National Research Council). 2017
- Visiting Research Scholar at LMU (Ludwig-Maximilians-Universität München) 2018
- **M.A. Spanish Studies, University of Virginia.** **2011-2013**

- **B.A. English Philology, University of Salamanca.** **2006-2011**
S.I.C.U.E Exchange Student, University of Barcelona. 2010-2011
- Erasmus Exchange Student, Queen Mary University of London. 2008-2009

LANGUAGE PROFICIENCY

- Spanish (Native Speaker)
- English (Full professional competence)
- French (B2)
- German (B1.2)
- Portuguese (A2)
- Italian (A1)

PROGRAMMING SKILLS

Python.

TEACHING EXPERIENCE

Computational methods

Python: for the Digital Humanities

2024

Sole instructor for the course “Python: for the Digital Humanities” offered by the Zentrale Informatik at the University of Zurich. Course url: [/ Python: For the Digital Humanities - Universität Zürich \(uzh.ch\)](https://python-for-the-digital-humanities-uzh.ch)

Python Basics, UZH.

2023 -

Sole instructor for the course “Python Basics”, offered by the Zentrale Informatik at the University of Zurich. Course url: [/ Python: Basics - Universität Zürich \(uzh.ch\)](https://python-basics-uzh.ch)

Introduction to Text Analytics with Python, UZH.

2023

Co-instructor for the course “Text Analytics with Python”, offered by the Zentrale Informatik at the University of Zurich.

Text Analytics in the Digital Humanities, UZH

2023

Co-instructor for the course “Text Analytics in the Digital Humanities”, offered by the Institute of Computational Linguistics at the University of Zurich. Responsible for teaching three lectures.

Digital humanities and programming, Royal Danish Library

2022

Teaching Assistant for the course “Digital Humanities and Programming” offered by the Royal Danish Library in Copenhagen.

Spanish Language Courses

Graduate Student Instructor (GSI), UC Berkeley.

2013-2019

GSI for Spanish 1. Elementary Spanish 1st Semester
GSI for Spanish 3. Intermediate Spanish 3rd Semester
GSI for Spanish 4. Intermediate Spanish 4th Semester
GSI for Spanish 25. Reading and Analysis of Literary Texts.

Teaching duties included teaching and evaluating a class of 15-25 students each semester, writing exams and quizzes, holding office hours.

Graduate Teaching Assistant (GTA), University of Virginia.

2011-2013

GTA for SPAN 2010. Intermediate Spanish.
GTA for SPAN 2020. Advanced Intermediate Spanish.

Teaching duties included teaching and evaluating two sections of 18 students each one, writing exams and quizzes, holding office hours.

FUNDING

- **MSCA- IF. Marie Skłodowska-Curie Actions Individual Fellowship granted to me by the European Commission.** Principal investigator of the research project: Time, Technology, and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies (GLOTECH)
- **Eurotech Post-Doctoral Fellowship granted to me.** Principal Investigator of the research project: Time, Technology and the Press. A Study of Accelerations of Time Perceptions during the Industrial and Digital Revolutions (PRESSTECH). The EuroTechPostdoc Programme is co-funded by the European Commission under its framework programme Horizon 2020 and the members of the Eurotech Universities Alliance (Technical University of Denmark (DTU), École Polytechnique Fédérale de Lausanne (EPFL), L'École Polytechnique à Paris (l'X), Eindhoven University of Technology (TU/e) and Technical University of Munich (TUM)). Individual Eurotech Post-Doctoral Fellowship granted to me.
- **PhD in Hispanic Languages and Literatures, UC Berkeley.** Fully funded PhD position by the Graduate division of the University of California, Berkeley.
- **M.A. in Spanish Studies, University of Virginia.** Fully funded M.A. position by the University of Virginia.

RESEARCH

Research monograph

Fernández Fernández, Elena. *Raza y nación. Estereotipos nacionales extranjeros y peninsulares en España (1750-1833)*. Peter Lang, 2020.

Peer reviewed research articles

1. Denove, Emmanuelle, Elisa Michelet, Germans Savcicens, and **Elena Fernández Fernández**. “An Industrial West? A Mixed-Methods Analysis of Newspapers Discourses about Technology over One Hundred and Ten Years (1830-1940)”. *The Journal of Data Mining and Digital Humanities*, 2024.
2. **Fernández Fernández, Elena**, and Germans Savcicens. “Quantifying Western Discourses about Technology. An Analysis of Press Coverage using a Dataset of Multilingual Newspapers (1999-2018)”. *DHNB2024. From Experimentations to Experience: Lessons learnt from the Intersections between Digital Humanities and Cultural Heritage*. 27-31 May, 2024. Reykjavik, Iceland.
3. **Fernández Fernández, Elena**, and Germans Savcicens. “A Sustainable West? Analyzing Clusters of Public Opinion in Sustainability Western Discourses in a Collection of Multilingual Newspapers (1999-2018)”. *DHNB2023. Sustainability, Environment, Community, Data*. Online Conference. 8-10 March, 2023.
4. **Fernández Fernández, Elena**, Mirco Schoenfeld, Juergen Pfeffer. “Measuring the Acceleration of the Social Construction of Time using the BOE (Boletín Oficial del Estado)”. *CHR 2020: Workshop on Computational Humanities Research*, November 18-20, Amsterdam, The Netherlands.
5. **Fernández Fernández, Elena**. “From Subject to Citizen? A Debate about Citizenship and Race in the Works of José Blanco White and Fray Servando Teresa de Mier”. *International Review of Eighteenth Century Studies*, 4, 2019, pp. 129-140.
6. **Fernández Fernández, Elena**. “A Racial Interpretation of the Numancia National Myth in the Works of Miguel Cervantes and Ignacio López de Ayala”. *Dieciocho*, 41:2, 2018, pp. 281-300.

Unpublished conference papers

1. **Fernández Fernández, Elena**. “Social Acceleration: An Empirical approach using Computational Text Analysis and Newspapers in Spanish (1988-2018)”. *DHNB 2022. Digital*

Humanities in the Nordic and Baltic Countries 6th Conference. Uppsala. 15-03-2022, 18-03-2022. Poster Presentation.

2. **Fernández Fernández, Elena.** "From Subject to Citizen? A Debate about Citizenship and Race in the Works of José Blanco White and Fray Servando Teresa de Mier". *British Society for Eighteenth Century Studies 47th Annual Conference*. St Hugh's College Oxford. 03-01-2018, 05-01-2018. Unpublished Conference Paper.
3. **Fernández Fernández, Elena.** "Race and Nation. A Racial Interpretation of the Numancia National Myth in the Works of Miguel de Cervantes and Ignacio López de Ayala". *British Society for Eighteenth Century Studies 46th Annual Conference*. St Hugh's College Oxford. 04-01-2017, 06-01-2017. Unpublished Conference Paper.
4. **Fernández Fernández, Elena.** "Simón Bolívar, El Americano. Análisis sobre la creación de una identidad racial latinoamericana en las Cartas de Jamaica". *Sixth Annual Symposium of the International Network of Nineteenth Century Hispanists*. Malet House, London. 08-04-2016, 09-04-2016. Unpublished Conference Paper.
5. **Fernández Fernández, Elena.** "British Gothic as a Point of Departure for Place and Space in Becquer's Rimas y Leyendas". *Romanticism, Reaction and Revolution. British Views on Spain, 1814-1923*. Anglo-Hispanic Horizons Network. Oviedo. 25-06-2015, 26-06-2015. Unpublished Conference Paper.
6. **Fernández Fernández, Elena.** "Iriarte, el fabulista despótico". *University of Virginia Graduate Student Conference 2012*. University of Virginia, Charlottesville. Unpublished Conference Paper.

Talks

1. **Fernández Fernández, Elena.** "Quantitative Analysis about Sustainability Discourses in Newspapers (1999-2018)". European Environmental Agency, Copenhagen (Denmark). 23-08-2023.
2. **Fernández Fernández, Elena.** "Time, Technology, and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies (GLOTECH)". Copenhagen Center for Social Data Science (SODAS). Pecha Kucha Presentation. Rødvig, Denmark. 23-08-2023.
3. **Fernández Fernández, Elena.** "Time, Technology and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies." Copenhagen Center for Social Data Science (SODAS). Copenhagen, Denmark. 22-04-2022.
4. **Fernández Fernández, Elena.** "Technology, Globalization and Newspapers: a Computational Analysis". NULab for Texts, Maps, and Networks Annual Conference: "What Now?". Northeastern University. Boston (USA). 01-04-2022.
5. **Fernández Fernández, Elena.** "Time, Technology and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies. (GLOTECH)" The NULab for Texts, Maps, and Networks, Northeastern University. Boston (USA). 09-03-2022.
6. **Fernández Fernández, Elena.** "Time, Technology and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies. (GLOTECH)". Institute IMDEA Networks. Madrid (Spain). 02-12-2021.
7. **Fernández Fernández, Elena.** "Time, Technology and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies. (GLOTECH)". Artificial Intelligence Research Institute (IIIA), CSIC. Barcelona (Spain). 30-11-2021.
8. **Fernández Fernández, Elena.** "Time, Technology and Globalization. A study of the role of technology in processes of modernization and globalization using the Press, Big Data, and Computational Research Methodologies. (GLOTECH)". Institute of Computational Linguistics, University of Zurich. Trogen (Switzerland). 06-12-2021.

SERVICE

Conference organization

- **Programme Committee. “CHR 2023. Fourth Conference on Computational Humanities Research”.** **2023**
- **Programme Committee. “CHR 2022. Third Conference on Computational Humanities Research”.** **2022**
University of Antwerp, Belgium. December 12-14.
- **Organizing member of the Conference “Mapping Languages Across Cultures: Textual Analysis in CrossCultural and Intercultural Communication (MLAC10)”.** **2010**
Cursos Internacionales, University of Salamanca.

Reader

- **Conference on Computational Humanities Research (CHR).** **2022-**
Reader and evaluator of Digital Humanities articles for the conferences CHR2022, CHR2023, and CHR2024.
- **Digital Humanities in the Nordic and Baltic Countries (DHN2023).** **2023**
Reader and evaluator of Digital Humanities articles for the conference DHN2023.
- **Digital Humanities Quarterly.** Reader and evaluator of Digital Humanities articles. **2022-**
- **Digital Studies/Le Champ Numérique.** Reader and evaluator of Digital Humanities articles. **2021-**
- **Lucero.** The Literary Journal of the Graduate Students in the Department of Spanish and Portuguese at UC Berkeley. Reader and evaluator of Hispanic Languages and Literatures articles. **2015-2016**

HONORS AND AWARDS (selected)

- **Golden Key International Honor Society. University of California, Berkeley. 2017**
Golden Key is the world’s largest collegiate honor society. Membership into the Society is by invitation only and applies to the top 15% of college and university sophomores, juniors and seniors, as well as top-performing graduate students in all fields of study, based solely on their academic achievements.

EXTRACURRICULAR ACTIVITIES

Professional Conservatory of Salamanca **1998-2010**

Professional Certificate Degree in Music, instrument violoncello.