CV Elena Fernández Fernández

RESEARCH PROFILE
Digital Humanities, Computational Social Science, Media and Communication Studies.

EMPLOYMENT HISTORY

- **Post-doctoral researcher.**   **2026 –**
  Luxembourg Center for Contemporary and Digital History (C2DH). University of Luxembourg.
  Post-doctoral researcher working at the [Deep Data Science of Digital History – Deep Data Science of Digital History](#). In charge of academic supervision and management of 18 doctoral students with backgrounds in Humanities, Social Sciences, Computer Science, and Natural Sciences. Development of my own independent research lines. Member of the [Digital History and Historiography - C²DH research group I University of Luxembourg](#) at the C2DH.
- **Lecturer.**   **2023 -**
  IT Central, 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; Cognitive 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

Other Education

- **MA. Education, UNED (National University of Distance Education, Spain)   2024-2025**

  University master's in education training for Secondary Education, Vocational Training and Foreign Language Teaching/Master Universitario en Formación del Profesorado de Educación Secundaria Obligatoria y Bachillerato, Formación Profesional y Enseñanza de Idiomas.

  Courses taken: 304019. Psychological Development and Learning (5ECTS). 304023 Educational Processes and Contexts (5ECTS). 304038 Society, Family, and Education (5ECTS). 304131 Psycholinguistic Analysis of English Language Acquisition (5ECTS). 304146 English Studies: Language, Literature, and Culture (5ECTS). 304076 Curriculum Desing and Development (3ECTS). 304080 Classroom Learning and Motivation (3ECTS). 304150 English Language Didactics (5ECTS). 304930. Teaching Innovation and Initiation to Educational Research (5ECTS). 300234 Practicum (12 ECTS). 304181. Master Thesis in Secondary Education Teacher's Training, Specialty Foreign Languages: English (6ECTS).

Spanish Higher Education Quality Assessment, Assurance, and Accreditation. *Convalidaciones académicas y acreditaciones al sistema universitario español.*

- **Qualified to apply to Tenured Associate Professor and/or Assistant Professor academic positions by ACSUCYL (Agencia para la Calidad del Sistema Universitario de Castilla y León).** *Acreditación obtenida para las figuras de Profesor/a Contratado Doctor (Permanente Laboral) y Profesor/a Ayudante Doctor de Universidades Públicas y Privadas en el Sistema Universitario de Castilla y León por ACSUCYL (Agencia para la Calidad del Sistema Universitario de Castilla y León).* **2025.**

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

Courses

Python: Data Analysis Essentials   **2025 - ongoing**
Sole instructor for the course "Data Analysis Essentials" offered by the Zentral Informatik at the University of Zurich. Course focused on teaching Data Analysis using Humanistic datasets. Course url: [Registration - Python: Data Analysis Essentials - Universität Zürich](#)
Python: for the Digital Humanities   **2024 - ongoing**
Sole instructor for the course "Python: for the Digital Humanities" offered by the Zentrale Informatik at the University of Zurich. Course focused on the lifetime of a Digital Humanities Project (Data acquisition, Cleaning and Pre-Processing, Data Analysis, Data Visualization). Course url: [/ Python: For the Digital Humanities - Universität Zürich (uzh.ch)](#)
Python Basics, UZH.   **2023 - ongoing**
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)](#)
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, with Maria Tsilimos.

These courses offered at the IT Central are short workshops of 12 hours, taught over the course of four days (3 hours per day). They target the whole academic spectrum: undergraduate and graduate students, Faculty members of all Departments within the University, and other academic personnel such as Field-specific librarians (Economics, Text Data Mining, History…) as well as IT Technicians based at different departments.

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 humaniora og programmering, Royal Danish Library   **2022**
Teaching Assistant for the course "Digital Humanities and Programming" offered by the Royal Danish Library in Copenhagen. Course targeting the whole academic spectrum at the Faculty of Humanities at the University of Copenhagen (undergraduate and graduate students, Faculty members, and other academic members such as field-specific librarians and IT Technicians).

Workshops

Project Management in Digital Humanities   **2026 (upcoming)**
Sole instructor for this workshop (twelve hours), hosted by the DSI Community Digital Humanities – University of Zurich. The workshop targets all members of the Academic community at the University of Zurich. It covers the lifetime of a Digital Humanities Project: Data Acquisition, Cleaning and Pre-processing, Data Analysis, and Data Visualization. It provides a clear overview of all the pitfalls and difficulties that frequently take place during the development of any Digital Humanities project targeting an audience of Humanities Researchers with little experience in Computational Methods. Aspects such as data availability, how is that data being delivered in its raw form to users, how computational methodologies work, how many research personnel members is necessary to hire in a DH project, and time management, are addressed.

Measuring Quantitative Narrative Analysis of Public Figures in News Media   **2025**
Sole instructor for this workshop (three hours), embedded in Workshop on Explorations of the dynamics of cultural phenomena in text corpora workshop – DHNB, as part of the DHNB2025 (Digital Humanities in the Nordic and Baltic Countries 2025 Conference). The workshop consisted of a three-hour introduction to Quantitative Narrative Analysis research methodologies applied to newspapers datasets.

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.

ACADEMIC SUPERVISION

- **Emmanuelle Denove (MSc student in Computer Science at EPFL).** Master Semester Project in Digital Humanities. Co-supervised with EPFL Prof. Jerome Baudry. Spring Semester 2023.

- **Tamara Antoun (BSc student in Communication Systems at EPFL).** Bachelor Semester Project in Digital Humanities. Co-supervised with EPFL Prof. Jerome Baudry. Spring Semester 2023

- **Lina Bousbina (BSc student in Communication Systems at EPFL).** Bachelor Semester Project in Digital Humanities. Co-supervised with EPFL Prof. Jerome Baudry. Spring Semester 2023.

- **Guilhem Sicard (MSc student in Data Science at EPFL).** Master Semester Project in Digital Humanities. Co-supervised with EPFL Prof. Jerome Baudry. Fall Semester 2023.

- **Elisa Michelet (MA student in Digital Humanities at EPFL).** Master Thesis in Digital Humanities. Co-supervised with EPFL Prof. Jerome Baudry. Fall Semester 2023.

- **Thomas Benchetrit (MA student in Data Science at EPFL).** Master Semester Project in Digital Humanities. Co-supervised with EPFL Prof. Jerome Baudry. Spring Semester 2022.
- **Jana Meier (MA student in Digital Linguistics at UZH).** Master Thesis in Digital Linguistics. Co-supervised with UZH Senior Researcher Simon Clematide. Academic year 2022-2023.

FUNDING

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 Savcisens, and **<u>Elena Fernández Fernández.</u>** "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. **<u>Fernández Fernández, Elena</u>**, and Germans Savcisens. "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. **<u>Fernández Fernández, Elena</u>**, and Germans Savcisens**. "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. **<u>Fernández Fernández, Elena,</u>** 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. **<u>Fernández Fernández, Elena</u>**. "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. **<u>Fernández Fernández, Elena.</u>** "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,** Jana Meier, and Simon Clematide**. "The Speed of the West? Measuring Social Acceleration in World Capitals using Newspapers and Quantitative Methods (1999-2018)". *DHNB 2025. Digital Humanities in the Nordic and Baltic Countries 9th Conference*. Tartu. 05-03-2025, 07-03-2025. Unpublished Conference Paper.
2. **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.
3. **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.

4. **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.
5. **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.
6. **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.
7. **Fernández Fernández, Elena**. "Iriarte, el fabulista despótico". *University of Virginia Graduate Student Conference 2012*. University of Virginia, Charlottesville. Unpublished Conference Paper.

Science Communication

1. Press releases.

Two articles published in European Commission publication services produced during my PRESSTECH grant.
- **Fernández Fernández, Elena.** "Time flies? A Scientific approach to measure the Speed of Life". *CORDIS. EU Research Results*, 2021.
- **Fernández Fernández, Elena**. "The challenges of implementing an MSCA fellowship". Marie Curie Alumni Association Newsletter, vol. 27, 2021.

2. Talks

1. **Fernández Fernández, Elena.** "My Journey from English Philology to Data Science/De Filología Inglesa a Ciencia de Datos". University of Salamanca, 2024.
2. **Fernández Fernández, Elena**. "Quantitative Analysis about Sustainability Discourses in Newspapers (1999-2018)". European Environmental Agency, Copenhagen (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). 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 2024. Fifth Conference on Computational Humanities Research".**	**2024**
- **Programme Committee. "CHR 2023. Fourth Conference on Computational Humanities Research".**	**2023**
- **Programme Committee. "CHR 2022. Third Conference on Computational Humanities Research**	**2022**
- **Organizing member of the Conference "Mapping Languages Across**	**2010**

Cultures: Textual Analysis in CrossCultural and Intercultural Communication (MLAC10)". Cursos Internacionales, University of Salamanca.

Reader

- **Conference on Computational Humanities Research (CHR).**   **2022-2024**
  Reader and evaluator of Digital Humanities articles for the conferences CHR2022, CHR2023, and CHR2024.
- **Digital Humanities in the Nordic and Baltic Countries (DHNB)**   **2023, 2025**
  Reader and evaluator of Digital Humanities articles for the conference DHNB2023 and DHNB2025.
- **Digital Humanities Quarterly**. Reader and evaluator of Digital Humanities   **2022- ongoing**
  articles.
- **Digital Studies/Le Champ Numérique**. Reader and evaluator of Digital   **2021- ongoing**
  Humanities articles.
- **Lucero.** The Literary Journal of the Graduate Students in the Department   **2015-2016**
  of Spanish and Portuguese at UC Berkeley.
  Reader and evaluator of Hispanic Languages and Literatures articles.

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.