

Curriculum Vitae

Antón de la Fuente

B.A. Student

Contact Information

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Research Interests

Computational Linguistics; Quantitative methods; Phonetics and prosody; L2 acquisition; Critical Discourse Analysis; Algorithmic bias; Philosophy of Science

Education

2017-2021 **B.A.** student, University of California Santa Barbara, Linguistics and Philosophy.

Ongoing Projects

April 2020-Present

Interaction in the Far-Right Media

Collaborated in the compilation and annotation of a corpus of interactions in far-right and ultra-conservative radio. (in progress)

October 2020-Present

Visual Aids in L2 Prosody Teaching

Developed a simple system of visual feedback for aiding the acquisition of Italian intonation through automatically generated pitch traces hosted on an online server ([github repo](#)). To be tested in Spring 2021 in collaboration with the UCSB Italian department. (in progress)

January 2021-Present

Data Science Capstone

Developing a context prediction model to be integrated with a chat server intended for use in marketing and customer service.

Fellowships and Work Experience

2019-Present

Writing Tutor

Tutored in UCSB's CLAS writing lab. Gained experience with teaching grammar and writing to ESL students.

2020-2021

Central Coast Data Science Partnership Undergraduate Fellowship

Fellowship that entails participation in a capstone project with training in algorithmic fairness. Other duties entail participation in outreach activities, training in setting up reproducible workflows for cloud computing, and tutoring for introductory Data Science classes.

Relevant Coursework

Fall 2019 – Winter 2020

Linguistics 110/111

Courses focused on computational linguistics and NLP through python. Covered n-gram models, noisy-channel models, distributional semantics, topic modelling, sentiment analysis, automatic text summarization, and other machine learning tasks. Trained natural language inference model as a final project.

Spring 2020

Linguistics 104

R based statistical methods class aimed at Linguists.

Fall 2020

Computer Science 190DD

Course focused on issues of algorithmic fairness and ethics in machine learning. Introduction to fairness constraints and metrics. Developed familiarity with python Fairlearn API for the implementation of fairness metrics. Class group project entailed modelling COVID-19 from wastewater data and implementing funding distributions with fairness constraints in mind.

Skills

Computer Skills

Languages	Python – proficient R – some knowledge Javascript – some knowledge	Tagging	HTML – competent Latex – some knowledge
Software	Praat – competent ELAN – competent FileMaker Pro – competent	Python Packages	Scikit-Learn – competent NLTK – competent Gensim – working knowledge

Languages

Spanish – native Galician – native	English – native French – intermediate
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