

Aitor MARTÍNEZ EGURTZEGI



PERSONAL DATA

PLACE AND DATE OF BIRTH: Barakaldo, Spain | 19 March 1992
RESIDENCE: In der Ey 37, 8047 Zurich, Switzerland
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WORK EXPERIENCE

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| JAN 2017 - FEB 2021 | <p>PhD student at University of Zürich, Department of Comparative Language Science
<i>Ergativity in language comprehension and production</i>
Preparation and development of EEG, eye-tracking and online experiments, collecting and preparing analysis pipelines of online data, analysis of EEG and eye-tracking data using multilevel hierarchical regression in a Bayesian framework, data analysis using Machine Learning modeling, preparing and running jobs on the cloud using Unix-based systems, hiring and supervising student assistants.</p> |
| OCT - NOV 2016 | <p>LIONBRIDGE, Cologne
Software testing, translation and linguistic validation.</p> |
| APR - SEP 2016 | <p>Student assistant at SFB 1102 University of Saarland, Saarbrücken
<i>A1 project: Script-based Surprisal in Online Comprehension</i>
Preparation and development of EEG experiments.</p> |
| AUG - DEC 2015 | <p>DEUTSCHES FORSCHUNGSZENTRUM FÜR KÜNSTLICHE INTELLIGENZ (DFKI), Saarbrücken
MaryTTS
Maintenance and development of the DFKI text-to-speech synthesizer.</p> |
| SEP 2013 - JAN 2014 | <p>Student researcher at UNIVERSITY OF BARCELONA, Barcelona
<i>Phonetics Laboratory</i>
prosodic data extraction and analysis from different dialectal variants of the American Spanish language in an experimental phonology research.</p> |
| FEB - JUNE 2013 | <p>Student researcher at VU UNIVERSITY AMSTERDAM, Amsterdam
Field work in the English Language Department, phonetic data gathering and transcription.</p> |

EDUCATION

Expected summer 2021	PhD in COMPARATIVE PSYCHOLINGUISTICS University of Zurich
DECEMBER 2016	Master of Science in LANGUAGE AND COMMUNICATION TECHNOLOGIES, Erasmus Mundus Double Degree Program University of Malta, Saarland University (Saarbrücken) Language of instruction: English
JULY 2014	Undergraduate Degree in LINGUISTICS, University of Barcelona English and Latin Specialization Language of instruction: Catalan
SEP 2012 - JUNE 2013	Exchange Year at VU University, Amsterdam Language of instruction: English
JUNE 2010	Axular Institutua (High School diploma), Santurtzi, Spain Language of instruction: Basque

FURTHER EDUCATION

MAY 2021	AI and Health workshop University of Geneva, Geneva
JULY 2019	9 th Lisbon Machine Learning School (LxMLS) Instituto Superior Técnico, Lisboa
FEB-MAY 2019	Neural Networks and Deep Learning for Life Sciences and Health Applications ZHAW, Zurich
MAY 2018	5 th Summer Neurolinguistics School Brainwaves of Language: Neural Oscillations and Language Processing National Research University Higher School of Economics, Moscow

LANGUAGES

SPANISH:	Mother tongue
ENGLISH:	C2
BASQUE:	C1
CATALAN:	B2
DUTCH:	B1
GERMAN:	B1
ITALIAN:	A1-A2

COMPUTER SKILLS

Scripting languages:	PYTHON, R, UNIX, PROLOG, XFST
Libraries & Tools:	SCIKIT-LEARN, FIELDTRIP, WEKA, PYSPARK
Version control:	GIT
Document preparation:	L ^A T _E X, R MARKDOWN
Text editor:	VIM
Other:	CLOUD COMPUTING, REGRESSION MODELING MACHINE LEARNING

RESEARCH STAYS

OCTOBER 2018	Donders Institute for Brain, Cognition and Behaviour Nijmegen, The Netherlands
OCT 2017 - APR 2018	University of South Australia Centre for Cognitive and Systems Neuroscience Adelaide, Australia

CONFERENCE TALKS AND PRESENTATIONS

SEPTEMBER 2019	13 th CONFERENCE OF THE ASSOCIATION FOR LINGUISTIC TYPOLOGY: talk The agent preference in sentence planning: challenges from ergative case marking
Authors	Aitor Egurtzegi , Sebastian Sauppe, Damian Blasi, Kamal Choudhary, Nathalie Giroud, Yingqi Jing, Shikha Bhattamishra, Mahima Gulati, Ina Bornkessel-Schlesewsky, Itziar Laka, Martin Meyer, and Balthasar Bickel
MARCH 2019	CUNY CONFERENCE ON HUMAN SENTENCE PROCESSING: poster presentation The agent preference in sentence planning is modulated by case marking: eye tracking evidence from Hindi, Basque and Swiss German.
Authors	Aitor Egurtzegi , Sebastian Sauppe, Damian Blasi, Kamal Choudhary, Yingqi Jing, Nathalie Giroud, Shikha Bhattamishra, Mahima Gulati, Ina Bornkessel-Schlesewsky, Itziar Laka, Martin Meyer, and Balthasar Bickel

JOURNAL ARTICLES

2021	<i>Neural signatures of syntactic variation in speech planning</i> Sebastian Sauppe, Kamal K. Choudhary, Nathalie Giroud, Damián E. Blasi, Elisabeth Norcliffe, Shikha Bhattamishra, Mahima Gulati, Aitor Egurtzegi , Ina Bornkessel-Schlesewsky, Martin Meyer, Balthasar Bickel PLOS Biology, 19(1):e3001038. doi: 10.1371/journal.pbio.3001038
SUBMITTED	<i>Cross-linguistic differences in case marking shape neural power dynamics and gaze behavior during sentence planning</i> Aitor Egurtzegi , Sebastian Sauppe, Damián E. Blasi, Ina Bornkessel-Schlesewsky, Itziar Laka, Martin Meyer, Balthasar Bickel