

AITOR EGURTZEGI

Data analyst/scientist & Computational linguist

Birth year: 1992 Nationality: Spanish (Swiss C permit) @ a.egurtzegi@gmail.com
📍 Zurich, Switzerland 🌐 www.egurtzegi.com in egurtzegi 🔄 aitor.me



WORK EXPERIENCE

Computer Vision Researcher

TOELT-LLC

📅 Mar 2023 – ongoing 📍 Winterthur

- Deep Learning application development for different projects such as airplane detection or thermal facial imaging.
- Cloud Computing jobs using Unix-based systems.
- Data compliance: risk assessment and DPIA according to GDPR and Swiss data protection rules.
- Supervising Master's theses.
- Managing research projects with multiple partner universities in an agile environment.

Academic Associate

University of Zurich

📅 Aug 2021 – Jan 2023 📍 Zurich

- Data science and data analysis with a focus on Machine Learning and Bayesian hierarchical regression.
- Cloud Computing jobs using Unix-based systems.
- Building NLP pipelines working with language models and using clustering algorithms.
- Teaching Bachelor's and Master's level seminars and lectures.
- Organizing workshops and managing multiple research projects.

Research Assistant

University of Zurich

📅 Jan 2017 – Feb 2021 📍 Zurich

- Data science and data analysis with a focus on Bayesian hierarchical regression and time series modeling for eye-tracking and EEG data.
- Building data science pipelines: data preprocessing, model selection, and visualization.
- Cloud Computing jobs using Unix-based systems.
- Building web scraping pipelines.
- Managing multiple research projects and supervising students.
- Presenting work at international conferences and writing and publishing research articles.

PROFILE

Data scientist with 5+ years of experience focusing on data analysis, Natural Language Processing, AI, Machine Learning, project management and regression modeling, building pipelines from data preprocessing to model selection to data visualization.

STRENGTHS

Data science AI Machine Learning
Statistics Data analysis Regression

Python R Git Github
Sklearn Pytorch Pyspark
brms Docker Agile Unix

SQL Project Management Tableau
Latex Vim R Markdown Jupyter
Cloud Computing Bayesian statistics

LANGUAGES

Spanish ● ● ● ● ● ●
English ● ● ● ● ● ●
Basque ● ● ● ● ● ●
Catalan ● ● ● ● ● ●
German ● ● ● ● ● ●
Dutch ● ● ● ● ● ●
Italian ● ● ● ● ● ●

Software Tester

Lionbridge

📅 Oct 2016 – Nov 2016 📍 Cologne

- Software testing, translation and linguistic validation for a linguistic company working with a car manufacturing partner.

Student Assistant

Saarland University

📅 Apr 2016 – Oct 2016 📍 Saarbrücken

- Data collection and participant recruitment for EEG experiments.

Software Developer

DFKI

📅 Aug 2015 – Dec 2015 📍 Saarbrücken

- Debugging, maintenance, and development of the DFKI text-to-speech synthesizer.

Student Assistant

University of Barcelona

📅 Sept 2013 – Jan 2014 📍 Barcelona

- Data preparation and data analysis for speech data.

Student Assistant

VU University Amsterdam

📅 Feb 2013 – June 2013 📍 Amsterdam

- Data collection and data annotation for speech data.

ADDITIONAL EXPERIENCE

12th & 13th Lisbon Machine Learning School (LxMLS)

Instituto Superior Técnico

📅 2022-2023 📍 Lisbon

- Monitor: assisting during school talks and helping students programming and implementing AI, NLP, and machine learning algorithms in Python.

Advanced Scientific Programming with Python

University of Zurich

📅 July 2022 📍 Zurich

- Advanced programming summer school organized by the Physics institute.

Advanced Methods and Applications for Bayesian Data Analysis

University of Zurich

📅 May 2022 📍 Zurich

- Intensive course on Bayesian data analysis.

EDUCATION

Ph.D. in Computational Psycholinguistics

University of Zurich

📅 Jan 2017 – Apr 2023

Thesis title: Ergativity in Language Production and Comprehension

I used neuroscience and computer science methods to understand how language works, discovering that the language we speak affects how we perceive the world around us.

M.Sc. in Computational Linguistics (double degree)

University of Malta

📅 Oct 2014 – Dec 2016

Courses: Python programming, natural language programming, computational morphology, logic programming, research methods.

M.Sc. in Computational Linguistics (double degree)

Saarland University

📅 Oct 2015 – Sept 2016

Courses: foundations of language science and technology, R programming, speech science.

B.A. in Linguistics

University of Barcelona

📅 Sept 2010 – July 2014

English and Latin specialization.

Erasmus Exchange

VU University Amsterdam

📅 Sept 2012 – Aug 2013

Courses: Dutch intensive learning (i.a.).

HOBBIES

Running

Powerlifting

Hiking

Yoga

Reading

Rowing

Chess

Basketball

Football

Writing

Art museums