Angelo Ortiz Tandazo

PERSONAL DATA

PLACE AND DATE OF BIRTH: Peru | 20 May 1997

EMAIL: angelo.ortiz.t@gmail.com

WEBSITE: https://angelo-ortiz.github.io

EDUCATION

2023-present PhD in Cognitive Science and Machine Learning

Ecole Normale Supérieure & Grenoble INP

Thesis title: 'Modelling early vocal learning with a simulated vocal tract'

Advisors: Emmanuel Dupoux and Thomas Hueber

2023 ENS Diploma in Computer Science, Ecole Normale Supérieure

Minor: Cognitive Science

2022 MSc in Machine Learning, Ecole Normale Supérieure Paris-Saclay

2019 BSc in Computer Science, Sorbonne University

WORK EXPERIENCE

APR-SEP 2023 Research Intern at AIX-MARSEILLE UNIVERSITÉ, Marseille, France

Development and evaluation of a gestural model for speech perception

Implementation and evaluation (in Python) of a generative model of speech perception.

Ост 2022 -

MAR 2023

Research Intern at Laboratoire de sciences cognitives et psycholin-

GUISTIQUE, Paris, France

Gestural speech perception

Conception and formalisation of a generative model of speech perception.

APR-SEP 2022

Research Intern at ONEPOINT & TÉLÉCOM PARIS, Paris, France

Word-sense disambiguation by graph analysis

Conception and implementation (in Python) of a word-sense disambiguation algorithm

based on PageRank and exploiting a Wikipedia-based bipartite graph.

APR-AUG 2021

Research Intern at Institut Montpelliérain Alexander Grothendieck,

Montpellier, France

Screening rules for interaction models

Development (in Python) of a Lasso solver for regression models with higher-order in-

teractions via screening-rules filtering.

PUBLICATIONS

Ortiz Tandazo, A., Schatz, T., Hueber, T., Dupoux, E. (2024). Simulating articulatory trajectories with phonological feature interpolation. Proc. Interspeech 2024, 3595-3599, doi: 10.21437/Interspeech.2024-2192

COMPUTER SKILLS

Procedural: C
Object-oriented: Python (NumPy, PyTorch), Java
Functional: OCaml
Tools: Git, LATEX

LANGUAGES

ENGLISH: Fluent FRENCH: Full professional proficiency

SPANISH: Native proficiency ITALIAN: Beginner

INTERESTS AND ACTIVITIES

Self-supervised learning, language acquisition, computational linguistics Climate change, technology, programming Football, cycling, travelling