

# Duygu Buga

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## EDUCATION

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2024 - Present - PhD Researcher in Linguistics, **Ulster University, Belfast, UK**

2021 - *MSc in Cognitive Science (Language & Multimodal Interaction)*, **University of Trento, Trento, IT**  
*Thesis: Neural Correlates of Emotional Stimuli in Italian-English Bilinguals: an fMRI Study*

2014 - BA in English Language Teaching, *cum laude* (GPA: 3.07/4.00), **Istanbul University, Istanbul, TR**

## EXPERIENCE

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(Sept 2025 – Present) - Instructor (PgTA), *CMM378 Research Methods in Linguistics*, **Ulster University, Belfast, UK**

(Oct 2021 – Present) - English and Turkish Language Teacher, **italki HK, Online**

(Mar 2021 – Jul 2021) - Research Intern, **University of Vita-Salute San Raffaele, Milan, IT**

## PUBLICATIONS

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- Del Maschio N, Sulpizio S, Bellini C, Del Mauro G, Giannachi M, **Buga D**, Fedeli D, Perani D and Abutalebi J (2024) Neurocognitive mechanisms of emotional interference in native and foreign languages: evidence from proficient bilinguals. *Front. Behav. Neurosci.* 18:1392005. doi: 10.3389/fnbeh.2024.1392005
- **Buğa, D.** (2018). Central Language Hypothesis. In D. Buğa, & M. Coşgun Ögeyik (Eds.), *Psycholinguistics and Cognition in Language Processing* (pp. 1-18). Hershey, PA: IGI Global. doi: 10.4018/978-1-5225-4009-0.ch001
- **Buğa, D.**, & Coşgun Ögeyik, M. (2018). *Psycholinguistics and Cognition in Language Processing* (pp.1-350). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-4009-0
- **Buga, D.** (2016). Chapter 4: Central Language Hypothesis in Decision-Making Process. In Christiansen B., Lechman E., Editors, *The Handbook of Neuroeconomics and Decision-Making Process* (pp. 66 – 84) USA: IGI Global. DOI: 10.4018/978-1-4666-9989-2.ch004

## DIGITAL SKILLS

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**Software & Tools:** MS Office, RStudio, SPSS, Jupyter Notebook, Git/GitHub

**Programming & Analysis:** Python, R, HTML, JavaScript, Matlab; NLP (NLTK), Pandas, NumPy

**Research & Methods:** fMRI, EEG/ERP, ELAN, PsychoPy, Lab.js, PRAAT, WebGazer.js; Experimental Design, Statistical & Behavioral Data Analysis

## PRESENTATIONS

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**Poster Presentation, 2021**

Trends in Psychology Summit, **Harvard University, Cambridge, MA**

Duygu Buga - Investigating Emotionality of Languages in Italian - English Bilinguals: an fMRI study with the emotional Stroop task.