



DUYGU BAYRAM

NLP Master's Graduate

With a solid foundation in linguistics and a deep understanding of NLP techniques, I bring a unique blend of theoretical knowledge and practical skills to tackle challenges in natural language processing. I am excited to contribute my expertise to a dynamic organization, where I can continue to push the boundaries of NLP and make a meaningful impact on how we interact with language in the digital age.

EDUCATION

Erasmus Mundus Double Master's Degree Program: Language and Communication Technologies
2021-2025*

University of Groningen, Netherlands
Master of Arts
2022-2025

Learning from Data, Cognitive Robotics, Shared Task, Computational Cognitive Neuroscience, Machine Learning (ML Incomplete - 8.5 Final Project Grade)

Saarland University, Germany
Master of Science
2021-2022/2025

Artificial Intelligence, Machine Translation, Sign Language Recognition and Translation, Multimodal Dialogue Systems

Boğaziçi University, Turkey
BA, Foreign Language Education
2016-2021

Rotterdam University, Netherlands
Exchange, Fall 2019

*Otherwise set to graduate on time in 2023, I took a break of 1 year from my degree for the 2023-2024 academic year and graduated upon finalizing my thesis in March 2025 of the 2024-2025 calendar.

CONTACT

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A: Groningen
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PUBLICATIONS

- 2023, SemEval Task 10, Paper
LCT-1 at SemEval-2023 Task 10: Pre-training and Multi-task Learning for Sexism Detection and Classification
- 2021, SOSY21, Illinois Urbana-Champaign, Poster
- 2020, BUFLED USRG, Boğaziçi, Talk
Effects of Language on Multilingual Five-Factor Personality Scores

PROFESSIONAL EXPERIENCE

Menzis | Intelligence Analyst Intern
02/2023 - 07/2023

Key responsibilities:

- Building an anonymization script for filtering sensitive medical and personal data occurring in customer calls using Named Entity Recognition, Keyword Processor, and Regular Expressions. Script was preferred over Azure's automatic services. (Language: Dutch)
- Implementing different methods to extract useful information from the anonymized calls: experimented with Text Summarization and Sentiment Analysis using Huggingface models, Keyword Extraction methods (TextRank, PositionRank, TopicRank, Yake, KeyBERT), and Topic Modeling (Gensim, Top2Vec, BERTopic).

Research Assistant | Ergin Language Lab
10/2020 - 08/2021

Key responsibilities:

- Weekly lab meetings to discuss papers and findings in Cognitive Linguistics with our interdisciplinary group consisting of Linguists, Neuroscientists, Philosophers, Psychologists, and Computer Scientists.
- Annotated gesture data for computational modeling.

Teaching Experiences | Calvijn Groene Hart, SEV American College, Private Tutoring
2019-2021

Transferrable skills:

- Adjusting information level for different audiences.
- Communication and engaging public speaking.
- Management, organization.

Additional Work: Volunteer at GETEM & Kodluyoruz and IT Director & Editor & Author at PRESENT, Boğaziçi Debate-MUN Bulletin

SKILLS

Technical Skills

- Python
- Natural Language Processing
- Linguistics
- SPSS/R/C (Undergraduate level)
- Familiarity with Azure
- Research

Languages

- Turkish
- English
- German
- Dutch

Duygu Bayram

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[detailed cv and projects: www.ouxvis.wixsite.com/duygubayram](https://www.ouxvis.wixsite.com/duygubayram)

About

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Master of Arts, 2025
Learning from Data, Cognitive Robotics, Shared Task, Computational Cognitive Neuroscience, Machine Learning (ML Incomplete – 8.5 Final Project Grade)
 - **Saarland University, Germany**
Master of Science, 2025
Artificial Intelligence, Machine Translation, Sign Language Recognition and Translation, Multi-modal Dialogue Systems
- **Boğaziçi University, Turkey**
BA, Foreign Language Education, 2021
 - **Rotterdam University, Netherlands** — *Exchange, Fall 2019*

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Experience

- Intelligence Analyst Intern**, Menzis Feb 2023 – July 2023
- Building an anonymization script for filtering sensitive medical and personal data occurring in customer calls using Named Entity Recognition, Keyword Processor, and Regular Expressions. Script was preferred over Azure's automatic services. (Language: Dutch)
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- Research Assistant**, Ergin Language Lab Oct 2020 – Aug 2021
- Weekly lab meetings to discuss papers and findings in Cognitive Linguistics with our interdisciplinary group consisting of Linguists, Neuroscientists, Philosophers, Psychologists, and Computer Scientists.
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 - Communication and engaging public speaking.
 - Management, organization.
- Additional Work:** Volunteer at GETEM & Kodluyoruz and IT Director & Editor & Author at PRESENT, Boğaziçi Debate-MUN Bulletin. More information on these can be found on my online CV.

Publications





- **2025, Master's Thesis, University of Groningen & Saarland University**
"Tinfoil Hat or Just Skeptical? Understanding Where The Machines Go Wrong"
Supervised by Dr. Tommaso Caselli & Dr. Volha Petukhova
- **2023, SemEval Task 10, Paper**
LCT-1 at SemEval-2023 Task 10: Pre-training and Multi-task Learning for Sexism Detection and Classification
- **2021, SOSY21, Illinois Urbana-Champaign, Poster**
Effects of Language on Multilingual Five-Factor Personality Scores
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Effects of Language on Multilingual Five-Factor Personality Scores

Skills & Languages

Technical Skills

- Python
- Artificial Intelligence (NLP, LLM)
- Data Analysis & Research
- Linguistics
- SPSS / R / C (undergraduate level)
- Familiarity with Azure & SQL

Languages

- Turkish  Native
- English  Fluent
- German  Intermediate
- Dutch  Beginner