

# Tatiana Limonova

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London, UK

## EDUCATION

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### **Master of Science (MSc) in Language Sciences: Technology of Language and Speech**

University College London (UCL), London, UK

2024 – Sep 2025

Predicted Grade: Class I with Distinction

Dissertation: “**Dissertation: Denoising Emotions: A Machine Learning Approach to Vocal Emotion Detection in White Noise Environments.**”

- Developed extensive knowledge of Natural Language Processing (NLP) techniques, gaining hands-on experience with machine learning and deep learning classifiers. Trained and evaluated models including Support Vector Machines (SVMs), neural networks, and dependency parsers, implementing GloVe embeddings to enhance syntactic analysis, achieving 72% accuracy.
- Analysed frequency data from speech utterances using R, working with Electromagnetic Articulography (EMA) data to plot speech segment boundaries and perform correlation analyses on articulatory and acoustic features. Utilised Praat for speech analysis and ggplot2 for advanced data visualisation.
- Applied signal processing techniques to enhance speech emotion recognition (SER) models, exploring methods to mitigate noise interference and improve robustness in real-world applications.

### **Bachelor's Degree in Modern Languages (Spanish and Catalan)**

University of Birmingham, Birmingham, UK

2019 – 2023

Grade: Class I with Distinction in spoken Spanish

Dissertation: “**The Effect of Digital Media Consumption on Second Language Development**”

- Conducted a quantitative study on the impact of digital media consumption on second language acquisition, exploring technology-driven linguistic development.
- Gained first-hand linguistic and cultural immersion through a year abroad in Oviedo, Spain, refining practical language skills and cross-cultural communication.
- Examined the sociopolitical influences on language across Spanish-speaking regions, deepening expertise in linguistic variation, policy, and historical context.

## EMPLOYMENT

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### English Second Language Teacher

Preply

2021 – Present

- Founded and managed my own online teaching business, developing expertise in curriculum design, edtech integration, and the intersection of language learning and technology.
- Developed and implemented interactive, technology-enhanced learning experiences through digital platforms, ensuring a 100% student retention rate. All students passed their IELTS exams with Band 7+, demonstrating measurable improvement in language proficiency.
- Designed personalised lesson plans for diverse learners, integrating corpus linguistics, AI-driven analysis, and industry-specific concepts (e.g., risk management), with a focus on professionals in the tech sector (e.g., Siemens).

### Volunteer Tutor

Tutor the Nation

2022 – 2023

- Provided one-on-one tutoring sessions for GCSE students, adapting teaching methods based on learner needs. All students successfully progressed to their desired college programmes, reflecting the effectiveness of the tailored teaching approach.
- Developed adaptive feedback methods, leveraging insights from educational psychology research to improve student outcomes.

## SKILLS

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Programming Languages: Python, R

Libraries and Frameworks: NumPy, Pandas, Scikit-learn, Keras, TensorFlow, NLTK, PyTorch

Data Handling and Analysis: Jamovi, R, Matplotlib

Languages: English (Native), Spanish (Native), Russian (Native), Catalan (B2), French (B1), Swedish (A2)

## CERTIFICATIONS

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Learn Python for Data Science · Codecademy, 2024

Machine Learning: Advanced Learning Algorithms · DeepLearning.AI, 2024

Supervised Machine Learning: Regression and Classification · DeepLearning.AI, 2024

180 Hour Level 5 TEFL Certificate Course (Highfield) · Premier TEFL, 2023