

Harry Woodhouse

BSc (Hons) Linguistics, University of York

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GitHub: github.com/Harry-S-W

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Education

BSc (Hons) Linguistics, University of York

2024–2027 (expected)

First-year average: First Class.

Focus areas: Neurolinguistics, Computational Linguistics, Phonetics, Speech Disorders.

Research Experience

Oromotor Asymmetry System (OAS) Project — Lead Researcher 2024–Present

- Designing and developing a computational system for measuring oromotor asymmetry using facial landmark data.
- Use of parslemouth for correlational oromotor research with speech analysis.
- Processing of OpenFace data to create novel oromotor metrics.
- Built temporal models (velocity, acceleration, curve coefficients) and 3D head-pose correction.
- Managed large video datasets and produced reproducible analysis scripts (Python + R).

Psycholinguistics Research Intern, UCL

Summer 2025

- Analysed non-native Russian vowel perception data using R (tidyverse, lme4).
- Developed and cleaned participant datasets.
- Contributed to preparing a peer-reviewed paper.

Visiting Student Researcher (Funded Research Stay), LabFon

Summer 2026

Hosted by Dr. Vita V. Kogan (University of Lisbon)

- Received funding to undertake an international research visit extending my ongoing work on non-native vowel perception and phonetic categorisation.
- Provided computational and statistical input, incorporating R-based modelling, data cleaning, and meta-analysis.
- Collaborated with LabFon researchers to analyse and develop statistically driven result section on non-native vowel perception and categorisation.

Leadership & Academic Service

National Chair, Undergraduate Linguistics Association of Britain (ULAB) 2025–2026

- Lead a national organisation consisting of 40+ universities.
- Coordinate institutional representatives, manage events, and oversee JoULAB editorial processes.

Associate Editor, Journal of the Undergraduate Linguistics Association of Britain (JoULAB) 2025–2026

President, English Language and Linguistics Society

University of Kent

Technical Skills

- **Python:** pandas, numpy, scipy, matplotlib, OpenFace/landmark processing.
- **R:** tidyverse, lme4, ggplot2, mixed-effects modelling.
- **Phonetic Tools:** Praat, Parsedmouth, EMG/landmark extraction.
- **Experimental Tools:** PsychoPy.
- **Other:** Git/GitHub, Linux, LaTeX, large-scale dataset handling (~700 million point CSV/Parquet).

Conference Presentations

- ULAB Conferences (1 presentation, 1 future presentation).
- University of Kent ELL Conferences (1 presentation).

Availability

Up to **15 hours/week**. Remote or in-person around York/Leeds/Sheffield.