

# Harry Woodhouse

*BSc (Hons) Linguistics, University of York*

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GitHub: [github.com/Harry-S-W](https://github.com/Harry-S-W)

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## Education

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**BSc (Hons) Linguistics**, University of York 2024–2027 (expected)

First-year average: First Class.

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

## Research Experience

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**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

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**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** 2025  
*University of Kent*

## Technical Skills

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

## Conference Presentations

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

## Availability

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