

# Walter Philip Dych

## Curriculum Vitae

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### Education

2023 **BA in Linguistics**, *University of Delaware*, Newark, Delaware

### Work Experience

2023–Present **Research Assistant**, *Harvard University*, Phonology Lab under Dr. Kathryn Franich, Cambridge, MA

- Perform video data annotation using ELAN.
- Use PRAAT for audio data segmentation.
- Develop computational methods for the automation of gesture annotation and gesture-speech research.

2022–2023 **Undergraduate Researcher**, *University of Delaware*, PhonLab under Dr. Kathryn Franich, Newark, DE

- Organize and plan out research projects for gesture-speech relations.
- Write papers for publication.
- Attend conferences.
- Run lab meetings.
- In charge of a group of research assistants.
- On call to aid other research assistants.
- Published a peer-reviewed paper on experimental methods for gesture-speech relations and presented a research project on gesture-speech relations.
- Develop methods for corpus collection.
- Develop computational methods for the automation of gesture annotation and gesture-speech research.

### Publications

2023 Dych, W., Garvin, K., Franich, K. (2023). Comparing Manual vs. Semi-Automated Methods for the Coding of Co-Speech Gestures. *20th International Congress of Phonetic Sciences*.

### Presentations

2022 Dych, W. (2022). Gesture Magnitude Mapping in Meduðmba. *University of Delaware Summer Scholars Symposium 2022*.

## Skills

Programming Python, R, Java, C++

Tools Git, Docker

Professional Software L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, Adobe Suite, Qualtrics

Data Annotation Label Studio, ELAN Video Annotation, PRAAT

Languages English(Fluent), Dutch(Fluent), German(C1), Spanish(C1), Italian(B2), Scottish Gaelic(Research), Medumba(Fieldwork)

## References

**Dr. Kathryn Franich**, Ph. D, Assistant Professor, Department of Linguistics, Harvard University, Cambridge, MA, ✉ [kfranich@fas.harvard.edu](mailto:kfranich@fas.harvard.edu)

**Dr. Karee Garvin**, Ph. D, Postdoctoral Fellow, Department of Linguistics, Harvard University, Cambridge, MA, ✉ [kareegarvin@fas.harvard.edu](mailto:kareegarvin@fas.harvard.edu)

**Dr. Alex Hong-Lun Yeung**, Ph. D, Assistant Professor, Department of Linguistics and Cognitive Science, University of Delaware, Newark, DE, ✉ [ahlyeung@udel.edu](mailto:ahlyeung@udel.edu)

**Dr. Daniel Kinderman**, Ph. D, Associate Professor, Department of Political Science and International Relations, University of Delaware, Newark, DE, ✉ [kindermd@udel.edu](mailto:kindermd@udel.edu)