

Tess Monks

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EDUCATION

Harvard University, Cambridge, MA

May 2022

MA in Linguistics

Relevant Coursework: Machine Learning, Semantics, Experimental Design, Computational Linguistics & NLP, Syntax, Linear Algebra, Probability, Statistics

External Courses: Machine Learning Stanford Coursera, LinkedIn NLP with Python for Machine Learning, LinkedIn Essential Math for Machine Learning in Python

Awards & Honors: Harvard Presidential Scholarship

University of Richmond, Richmond, VA

May 2020

Bachelor of Arts, Major in Latin, Minors in Ancient Greek, Linguistics, and Economics

Awards & Honors: Phi Beta Kappa, Summa Cum Laude

University of Oxford, Oxford, United Kingdom

October 2018- June 2019

Visiting Student, Lady Margaret Hall

SKILLS & MEMBERSHIP

PROGRAMMING LANGUAGES & SOFTWARE: Python (NumPy, pandas, PyTorch), R, SQL, MatLab and Octave (basic)

MEMBERSHIP: Harvard's Meaning & Modality Lab

RELEVANT RESEARCH EXPERIENCE

JP Morgan Chase & Co.

Software Engineering Virtual Experience Participant

October 2021

- Participated in the open access JP Morgan Chase Virtual Experience Program with Forage
- Interfaced with stock price data feed and analyzed pertinent metrics using Python and Git
- Formulated data visualizations of time-series stock interaction data

Harvard University, Department of Linguistics

Graduate Researcher, Modelling Diachronic Semantics

September 2020-Present

- Create an Evolutionary Game Theory Model and Weighted Finite State Transducer to model diachronic semantics
- Pioneering approaches to diachronic semantics at the intersection of machine learning and evolutionary modelling
- Presented at Meaning & Modality Lab and Modelling Constructional Variation and Change

Harvard University, Department of Linguistics

Lead Experimentalist, Demonstrative Grammaticalization Pathways

January 2021–Present

- Design and implement grammaticality judgment survey for over 200 participants on Prolific Academic
- Organize multi-linguistic Qualtrics surveys to prime individuals for modeling meaning change with synchronic data
- Model and analyze using R original data collected through surveys
- Presented at Meaning & Modality Lab, Southern New England Workshop in Semantics (SNEWS), Formal Diachronic Semantics 6, Linguistics Society of America

LEADERSHIP EXPERIENCE

Chinwag: The Language Podcast

December 2020–Present

Founder and Host

- Research and host podcast episodes on linguist phenomena in both pop culture and formal theoretical approaches
- Available to stream on Apple Podcasts, Spotify, and the Chinwag RSS webpage

ADDITIONAL PROFESSIONAL EXPERIENCE

Office of International Education, University of Richmond, VA

May 2020—August 2020

Special Programs Intern

- Wrote and compiled the first biannual report for the office including statistical examination of diversity in coursework
- Led the initiative for a sustainable approach to study abroad including carbon offsetting and drafting a Green Pledge
- Collaborated with embassies from across the world to efficiently deliver visas to students