

Jacob Fernandes

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EDUCATION

Harvard College, Cambridge, MA

BA, Linguistics and Computer Science, Highest Honors.

MAY 2024

Language Citation: Modern Japanese.

Thesis: *Applications of Machine Learning for Predicting Sound Symbolic Systems in Japanese and Korean Ideophones*

Advisor: Professor Kevin Ryan.

RESEARCH INTERESTS

Broad: Syntax, Morphophonology, Fieldwork

Syntax (narrow): A/A-movement, relativization, topicalization, complementation, scrambling, ellipsis, binding, syntax-semantics interface

Phonology (narrow): Prosody, ideophones, sign language phonology

Language Families: Japanese, Muskogean (Alabama, Koasati), Kartvelian

MANUSCRIPTS

[with Ava Silva] Alabama type I agent morpheme agreement: a Stratal OT account.

NOVEMBER 2024

Size matters in Georgian, too.

NOVEMBER 2024

BOOK CHAPTERS

Simple Sentence Structure. In *A Grammatical Sketch of Alabama*. Completed draft; forthcoming.

Relativization. In *A Grammatical Sketch of Alabama*. In progress

Questions. In *A Grammatical Sketch of Alabama*. In Progress.

RESEARCH EXPERIENCE

Harvard University, Cambridge, MA

Research Assistant to Professor Tatiana Bondarenko at Working on Languages in the Field (WOLF) Lab on Georgian (CASES) and Alabama revitalization projects.

DECEMBER 2023 - JUNE 2024

Research Team Member under Professor Tatiana Bondarenko for Alabama language project.

JUNE 2024 - PRESENT

Harvard T.H. Chan School of Public Health, Boston, MA

Research Assistant to Professor Christopher Golden in project on Madagascar satellite climate research and rainfall predictions.

JUNE 2023 – DECEMBER 2023

Radcliffe Institute for Advanced Study, Cambridge MA

Research Assistant to Visiting Scholar Roberto Zariquiey in revitalization and documentation project for the Iskonawa language.

AUGUST 2022 - MAY 2023

CONFERENCES

[with Tatiana Bondarenko] Sentence mood in the tense system of the Alabama language. In the *Proceedings of the Society for the Study of the Indigenous Languages of the Americas 2025 Winter Meeting*.

TO APPEAR

AWARDS AND GRANTS

Asia Center Winter Research Travel Grant

FALL 2023

Certificate of Distinction in Teaching, Derek Bok Center for Teaching and Learning

SPRING 2022

TEACHING

Teaching Fellow , Harvard University	
Abstraction and Design in Computation (Professor Stuart Shieber)	SPRING 2024
Abstraction and Design in Computation (Professor Stuart Shieber)	SPRING 2023
Introduction to Computer Science (Professor David Malan)	FALL 2023
Abstraction and Design in Computation (Professor Stephen Chong)	SPRING 2021
Course Assistant , Harvard University	
Introduction to Computer Science (Professor David Malan)	FALL 2021

ACTIVITIES AND MEMBERSHIPS

Harvard Undergraduate Linguistics Society (HULS), <i>President</i>	2023-2024
Society for the Study of the Indigenous Languages of the Americas (SSILA), <i>Member</i>	SINCE 2024

PROJECTS

Alabama Online Searchable Dictionary. A platform that allows users to quickly look up vocabulary from Alabama to English, and the reverse. Allows for search via regular expressions, and for saving search results to .txt file format. Conjugates verbs based on collected data and includes examples.

FIELDWORK EXPERIENCE

Alabama (Muskogean). Fieldwork in Alabama-Coushatta Reservation (Polk County, Texas, USA) with Harvard group (chair: Tatiana Bondarenko) in late 2024.	SUMMER 2024, FALL 2024
Georgian (Kartvelian). Elicitation for Field Methods class at Harvard University. Elicitations through WOLF Lab (chair: Tatiana Bondarenko) at Harvard University (Cambridge, USA).	FALL 2023, 2024; SPRING 2024
Iskonawa (Panoan). Research Assistanceship with Roberto Zariquey through Radcliffe Institute for Advanced Study.	FALL 2022; SPRING 2023
Japanese (Japonic). Fieldwork in Tokyo, Niigata, and Sapporo (Japan) for undergraduate thesis. Further elicitations in Cambridge (Massachusetts, USA)	JANUARY 2024
Korean (Koreanic). Elicitations at Seoul National University (Seoul, South Korea) for undergraduate thesis. Further elicitations in Cambridge (Massachusetts, USA)	JANUARY 2024

FOREIGN LANGUAGES

English	NATIVE
Japanese	FLUENT
French	INTERMEDIATE
Spanish	INTERMEDIATE

TECHNICAL SKILLS

Programming: Praat, L^AT_EX, Python, SQL, C++, Javascript, Google Earth Engine, OCaml, Java, SwiftUI, Kotlin
Design: Google Suite, Microsoft Excel, Adobe Photoshop, HTML, CSS