Ian **Rigby**

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Summary

A psycholinguist trained in experimental design, data processing, and statistical analysis. Experienced in corpus linguistics, mixed-methods research, and computational phonology. Passionate about utilizing data to augment business and research strategies. Most recently a Linguist Intern at Google, utilizing large language models as zero-shot learners.

Skills

Computer skills	Natural Languages
• Languages: R, Python, SQL	French (Intermediate level)
• Softwares: Praat, Audacity, Adobe Creative Suite	Ladin (Research)
• Other: LaTeX, HTML, CSS	

Experience

Linguist Intern | Google
Los Angeles, CA | Summer 2022

Project
- Leveraged pre-trained large language models (Google Internal) as zero-shot learners for image classification tasks
- Systematically generated image-data sets & text prompts (e.g., automated keyword extraction)
- Collaborated across mutliple, inter-disciplinary teams to deliver on stakeholder goals

Ph.D. Student | University of Southern California
Los Angeles, CA | 2018-2023

Data Collection
- Designed and implemented online experiments to collect linguistic data using forced-choice tasks, sentence completion tasks, surveys, and judgment tasks — hosted on (PC)IbexFarm
- Constructed a novel corpus of 486 name blends, scraped from online postings (e.g., Twitter, Tumblr)
- Created visual and acoustic experimental stimuli using Photoshop & Praat respectively
- Ran over 500 participants, recruited through Amazon Mechanical Turk and Prolific

Data processing
- Transcribed written English into IPA and X-SAMPA both manually and automatically
- Annotated corpus data for phonological, lexical, and sociological features
- Wrangled and cleaned data in R from over a dozen experiments for analysis

Data analysis and visualization
- Conducted statistical analyses using (mixed effect) regression models (linear, logistic, & ordinal)
- Produced visualizations for presentations and papers using ggplot2

Teaching: Human language and technology
- Taught introductory concepts in linguistics (e.g., acoustics, phonology), NLP (e.g., neural networks, speech synthesis), and programming in Python (e.g., for-loops)
- Instructed approximately 240 undergraduate students over 6 semesters
- Averaged a 4.92/5 rating from students on both instructional ability & inclusion practices

Distinctions
- Received a 6-week research grant (June 2019) to document the endangered language Ladin in South Tyrol, Italy

Lab Manager | University of Washington
Seattle, WA | 2017-2018

Research
- Built eye-tracking experiments (reading & visual world) on an SR Eyelink 1000 Plus
- Recruited over 150 adult participants and over 50 child participants for psycholinguistic experiments
- Analyzed temporal data (e.g., reaction, reading, and looking times) in R

Management
- Supervised a team of graduate and undergraduate researchers on experimental design & implementation
- Balanced all laboratory finances and budgeting, including multiple NSF grant accounts

Education

University of Southern California
- Ph.D., in Linguistics   *Expected, 2023*

University of Southern California
- M.A. in Linguistics   *2020*

University of California, Los Angeles
- B.A. in Psychology, *magna cum laude*   *2017*

Other

Service   *2018-2021*

Ph.D. Student Mentor | USC Dept. of Linguistics
Event coordinator | USC Dept. of Linguistics
Reviewer | USC Working Papers in Linguistics