

Andrew Amadeo

Frederick, MD | (240) 938-7517 | andrewamadeo411@gmail.com

PROFESSIONAL SUMMARY

- Computational linguist with experience analyzing linguistic data, developing rule-based systems, and evaluating AI speech models.
- Proficient in Python, data analysis, and model evaluation.
- Interested in NLP, TTS, and language technology roles.

EDUCATION

Cornell University | B.A. Linguistics, May 2023

GPA: 3.98 | Cornell Tradition Scholar

Relevant coursework: Syntax, Phonology, Phonetics, Python, Data Structures, Advanced Japanese

WORK EXPERIENCE

Computational Linguist (Synfonica LLC): August 2023 – May 2024

- Analyzed English linguistic patterns (syntax, morphology, phonetics) to develop and refine rule-based grammar and pronunciation models for text-to-speech (TTS) systems.
- Identified and formalized language patterns to design and refine language-based algorithms.
- Collaborated with engineers and researchers to integrate linguistic insights into TTS pipelines, improving model accuracy and output quality.
- Implemented linguistic rules in code and conducted QA testing on ML-driven pronunciation systems to enhance TTS accuracy and naturalness.
- Investigated parsing and voice generation errors, improving overall system robustness and model interpretability.

Assistant Language Teacher (JET Program): August 2024 – August 2025

- Planned and executed lessons aimed at students between grades three and nine for learning conversational English, adapting instruction to students' proficiency levels.
- Collaborated with Japanese teachers to develop bilingual teaching materials, integrating multicultural topics into classroom lesson plans.
- Fostered cross-cultural understanding and collaboration between the U.S. and Japan, promoting cultural sensitivity and effective communication in a multilingual setting.

National Association of Japan-America Societies (High School Diplomats Program): Jan 2020 – May 2023

- Coordinated educational cultural-exchange activities for a global non-profit that provides opportunities to 40 American and 40 Japanese students annually.
- Managed daily program logistics and collaborated with Japanese partners to design multicultural activities.

Technical Skills: Python, Java, TypeScript, JavaScript (React, Node.js, Express), HTML/CSS, Git, Excel, Data Annotation Tools, SQL (basic), Linguistic Analysis (phonetics, phonology, syntax)

Soft Skills: Communication, project coordination, QA, teamwork, Japanese (working proficiency)