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.

➤ 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.

English Second Language Instructor (JET Program): August 2024 – August 2025

➤ Planned and executed lessons aimed at students between grades three through 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 with Japanese partners in designing educational cultural-exchange activities for a global non-profit that provides opportunities to 40 American and 40 Japanese high school students annually.

➤ Led the redesign and standardization of program documents and materials, establishing a cohesive, professional aesthetic with consistent formatting, structure, and a clear visual design standard.

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)