Andrew Amadeo

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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 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 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)