

DEREK C. ANDERSEN

Computational Linguist

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EDUCATION

M.A. in Computational Linguistics

Stony Brook University

📅 Sept. 2019 – January 2021

Cumulative GPA: 3.93

B.A. in Linguistics, *Summa Cum Laude*

Stony Brook University

📅 Sept. 2016 – Dec. 2018

Cumulative GPA: 3.98

Coursework in Computer Science

Suffolk County Community College

📅 Sept. 2013 – May 2016

Cumulative GPA: 4.0

EXPERIENCE

NLU Developer

Cerence Inc.

📅 2021 – Present

📍 Remote

- Worked to improve the natural language understanding ML models for automotive voice assistant technology.
- Wrote grammars in the Java Speech Grammar Format (JSGF).
- Worked extensively with `git` and other command line tools in a Linux environment.

Linguist

Defined AI

📅 2020

📍 Remote

- Carried out English ToBI prosody annotation and spectrogram analysis using Praat software.
- Collaborated with a team of linguists to meet deadlines.

Laboratory Assistant

Center for Understanding Biology using Imaging Technology

📅 2018 – 2019

📍 Stony Brook, NY

- Assisted the director with tasks, including document formatting, research assistance, academic citations, and record keeping.
- Utilized various software tools including Microsoft Word, Excel, and End-Note.

Linguist Intern

Stony Brook University

📅 2018

📍 Stony Brook, NY

- Transcribed audio files of endangered languages using the International Phonetic Alphabet.
- Carried out spectrogram analysis and annotation using Praat software.

SKILLS

Python Git Bash JSGF

JavaScript Node.js HTML/CSS

Markdown LaTeX

Linux Windows macOS

PROJECTS

M.A. Final Project

Recommendation Engine

📅 2020

- A content-based filtering recommendation engine for academic papers in linguistics from the LingBuzz database.
- Implemented a similarity matrix based on TF-IDF vectorization values to score and measure similarity between papers.

Personal Project

Blog Engine

📅 2021

- The backend for my personal blog, based in Node.js.
- Utilized packages such as `showdown.js` and `mustache.js` to auto-generate blog posts based on a template.

COURSEWORK

- Computational Phonology
- Language & Technology
- Phonetics / Phonology / Syntax
- Natural Language Processing
- Intermediate Japanese

INTERESTS

- Language technology
- Web development
- UX design & typography

LANGUAGES

English ▀▀▀▀▀

Japanese ▀▀▀▀▀