# 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

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### B.A. in Linguistics, *Summa Cum Laude*
**Stony Brook University**

📅 Sept. 2016 – Dec. 2018          Cumulative GPA: 3.98

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### Coursework in Computer Science
**Suffolk County Community College**

📅 Sept. 2013 – May 2016          Cumulative GPA: 4.0

## EXPERIENCE

### NLU Developer
**Cerence Inc.**

📅 2021          📍 Remote

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

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### Linguist
**Defined.ai**

📅 2020          📍 Remote

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

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### 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 EndNote.

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### 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`

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`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.

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### 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**          ■■■■■

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**Japanese**          ■■□□□