Chase Zundel
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EDUCATION

Brigham Young University   Aug 2021 - Present
Bachelor of Computer Science, Emphasis on Data Science   Provo, Utah
- 3.16 GPA

SKILLS

- **Proficient:** C++, Java, Python
- **Moderate:** foma, Mendix
- **Familiar:** morfessor, BASH, HTML, CSS

RELEVANT EXPERIENCE

Brigham Young University   Mar 2023 - Present
Web Developer   Provo, Utah

- Assign and manage system user roles
- Verify API calls to use student information in a personal portal
- Integrate email messaging system using Mendix

Tagalog Lemmatizer   Jan 2023 - Apr 2023
Personal Project   Provo, Utah

- Prefix, suffix, infix, and reduplication identification for individual words
- Replace verbs with lemma and Part-Of-Speech information
- Read in individual words and print out tagged lemma

Family Tree Android Application   Jan 2023 - Apr 2023
Class Project   Provo, Utah

- Login credentials with username, password, and other personal information
- Create fake family tree information via the backend
- Displays data on a Google Map and shows familial connections
- Java backend with HTTP GET and POST request/response handlers and JDBC connection
- Java frontend with Android Studio using an HTTP connection to access the backend

Neural Machine Translation of English, Tagalog, and Cebuano   Aug 2022 - Dec 2022
Personal Project   Provo, Utah

- Complete Multilingual Neural Machine Translation model for English, Tagalog, Cebuano
- Created 6 Bilingual models for each language direction
- Cleaned data and created training, validation, and test sets using Python scripts
- Trained all 7 models using existing openNMT framework
- All 6 Bilingual models are more efficient by an average of 8.5 sacreBLEU points