

Brandon Pokorny

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EDUCATION

**UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN**
BS IN LINGUISTICS
Minor in Computer Science
May 2021

**JAMES B CONANT
HIGH SCHOOL**

May 2017 | Hoffman Estates, IL
GPA: 3.8/4.0

SKILLS

PROGRAMMING

Familiar:

- Python | Several class and personal projects
- C | Several class projects
- C++ | Several class projects
- Java | Several class projects
- Bash
- Linux
- Git

Exposed to:

- C#
- Windows
- Javascript
- Arduino
- SQL
- Microsoft Excel

HUMAN LANGUAGES

Spanish

- Illinois State Seal of Biliteracy
- Limited Working Proficiency + (ILR Scale)

French

- Limited Working Proficiency + (ILR Scale)
- Studied for eight years

Korean

- Studied 2 years

RELEVANT COURSES

ARTIFICIAL INTELLIGENCE

Fall 2019

- Implemented a Naive-Bayes Algorithm in python to determine if an input movie review was positive or negative based on the words used
- Created and trained a neural net using PyTorch library in Python to identify the contents of input images

COMPUTATIONAL LINGUISTICS

Spring 2020

- Designed a simple temporal named entity recognizer in python
- Analyzed the performance of pos-tagger models and the contributions of each feature fed to them after designing them with scikit-learn classifiers
- Implemented word and character bigrams to identify different languages
- Performed simple text processing using the NLTK python package and its various offered corpora

CORPUS LINGUISTICS

Fall 2021

- Performed corpus analysis on legitimate healthcare review data
- Demonstrated ability to think critically about the various aspects of corpus design

DIGITAL SIGNAL PROCESSING

Spring 2021

- Familiarized myself with current speech and audio processing algorithms and techniques
- Analyzed and modified WAV files using Python to gain insight into audio processing
- Implemented a simple spectrogram and a speech endpoint detection script

MACHINE TRANSLATION

Fall 2020

- Explored numerous, existing research papers to reproduce and train a state of the art machine translation system
- Solidified my understanding of deep learning architectures and various techniques to improve deep learning systems' performance
- Implemented a language model with a recurrent network using PyTorch

WORK EXPERIENCE

UNIVERSITY HOUSING | DINING SERVICES

March 2018 - Present | Urbana, IL

- Completed tasks to customers' various specifications with excellent attention to detail and minimal supervision
- Cooperated with coworkers as a team to ensure a seamless availability of food and other services