

Brandon Pokorny

pokorny3@illinois.edu | (847)915-8588 | [clickedbigfoot.github.io/clicked/](https://github.com/clickedbigfoot/clicked/)
402 Newberry Dr., Elk Grove Village, IL

EDUCATION

**UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN**
BS IN LINGUISTICS
Minor in Computer Science
Expected Graduation 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 | Ample opportunity to use in classwork
- Linux | Use for class
- Git | Use for class
- Microsoft Excel

Exposed to:

- C#
- Windows
- Javascript
- Arduino
- JSON

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

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

SYSTEMS PROGRAMMING

Fall 2020

- Implemented basic systems using procedural programming
- Developed debugging skills over hours of thorough testing and fixing of implemented systems

INTRODUCTORY MACHINE LEARNING

Spring 2020

- Gained a better grasp of the advantages of various machine learning models and preprocessing data by using the models and tools offered by scikit-learn
- Created and tuned a Sentiment Analyzer with Keras from TensorFlow and Kerastuner

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

ILLINOIS ROBOTICS IN SPACE | AUTONOMOUS TEAM MEMBER

August 2017 - May 2020 | Urbana-Champaign, IL

- Collaborated with teammates to create an interface with which to control the robots' motors
- Facilitates tutorial training of new members from many different levels of skill in their backgrounds
- Created and modified TCP servers in Python for two robots to communicate between each other