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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 personal projects**
- **C | Personal Study**
- **Java | Several class projects**
- **Bash | Ample opportunity to use in classwork**
- **Linux | Use for class**
- **Git | Use for class**
- **C# | Personal project**
- **Microsoft Excel**

Exposed to:
- **Windows**
- **Javascript**
- **Arduino**
- **HTML and CSS**
- **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

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**
- **Created and tweaked a reinforcement learning agent with PyTorch to perform well in a basic environment offered by the Gym python package**

COMPUTATIONAL LINGUISTICS

Spring 2020
- **Created a simple temporal named entity recognizer**
- **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 the language of an input sentence**
- **Performed simple text processing using the NLTK python package and its various offered corpora**

DATA STRUCTURES

Spring 2019
- **Implemented various data structures like graphs, b-trees, and hash maps with C++ to gain a new understanding of how they perform under the surface**

INTRODUCTORY MACHINE LEANING

Spring 2020
- **Gained a better grasp of the advantages of various 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**
- **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 - Present | Urbana-Champaign, IL
- **Created and modified TCP servers in Python and C++ for two robots to communicate between each other**
- **Collaborated with teammates to create an interface with which to control the robots' motors**