

Jiaxi Yang

608 E. University Ave, Apt 1406A, Champaign, IL 61820 | 217-819-9268 | jiaxiy2@illinois.edu

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

James Scholar, Dean's List

Dec 2021

GPA: 4.00/4.00

Related Coursework

Data Structures, Artificial Intelligence, Data Mining, System Programming, Computer Architecture, Numerical Methods, Probability and Statistics, Discrete Structures

WORK EXPERIENCE

CS 361, Probability and Statistics

Course Assistant

Champaign, IL

2020-Present

- Held office hour, explained concepts of Probability and Statistics, answered students' questions and helped troubleshoot code in Python and R
- Graded homework, set rubrics, and handled regrade requests

PROJECT HIGHLIGHTS

Hidden Markov Model Project

Spring 2020

- Implemented part of speech tagging using the Viterbi decoding algorithm on Brown Corpus, estimated probabilities of training data, and inferred tags for development data
- Increased the accuracy to 95.64% by optimizing the emission probability smoothing of unseen words tagging

Movie Recommendation Project

Spring 2020

- Applied the Naïve Bayes algorithm to train a binary sentiment classifier with a dataset of movie reviews and recommended movies with positive reviews
- Improved the performance on review classification by combining bag-of-words model and bigram model into a mixture model

E-commerce Website Project

Summer 2019

- Designed and created a modern e-commerce web application using the web framework Django, Python, and HTML
- Built functioning products and carts components by changing the model, template, and view and applying Bootstrap's layout

TECHNICAL SKILLS

Languages: Python, C++, Java, C, Verilog, R, HTML

LEADERSHIP AND ACTIVITIES

Society of Women Engineers

Video Chair, National Member

Champaign, IL

2018-Present

- Collaborated with women engineering students and created an attachment for tractors to be more accessible for disabled users in Team Tech Committee
- Recorded videos at different events and edited promotional videos for monthly general meetings to advertise events across campus