Jiaxi Yang

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EDUCATION

University of Southern California   Intended Graduation: May 2022
Bachelor of Science in Computer Science   GPA: 4.00/4.00

University of Illinois at Urbana-Champaign   August 2018- May 2020
Bachelor of Science in Computer Science   GPA: 4.00/4.00
James Scholar, Dean's List

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

TECHNICAL SKILLS

Python, Java, C++, C, R, Verilog, Git, Django, Android Studio

WORK EXPERIENCE

National Center for Supercomputing Applications | Big Data for Economics and Policy   Champaign, IL
Research Assistant   May 2020- Present
- Investigated the significance of the subsidies offered to Uber clients in Cairo, Egypt by analyzing and visualizing financial data using R
- Compared the behavior between the control group and the subsidy group by generating plots and maps for the team

CS 361, Probability and Statistics   Champaign, IL
Teaching Assistant   Jan 2020- May 2020
- Led weekly office hour to 20+ students, explained concepts of Probability and Statistics; debugging in Python and R, homework assistance
- Graded homework, set rubrics, and handled regrade requests

PROJECT HIGHLIGHTS

CS 440, Artificial Intelligence, Movie Recommendation Project   Spring 2020
- Applied the Naïve Bayes algorithm to train a binary sentiment classifier with a dataset of movie reviews using Python 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

NLP 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 by optimizing the emission probability smoothing of unseen words tagging

E-commerce Website, Personal Project   May- August 2019
- Designed and created a modern e-commerce web application from scratch 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