# Jiaxi Yang

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## EDUCATION

**University of Southern California**                                                                 Aug 2020- May 2022
*Bachelor of Science in Computer Science*                                                            GPA: 4.00/4.00
**University of Illinois at Urbana-Champaign**                                                       Aug 2018- May 2020
*Bachelor of Science in Computer Science*                                                            GPA: 4.00/4.00
James Scholar, Dean's List, Wind Information Scholarship Recipient

**Related Coursework**
Data Structures, Algorithms and Theory of Computing, Principles of Software Development, System Programming, Full-Stack Web Development, Artificial Intelligence, Data Mining, Computer Architecture

## WORK EXPERIENCE

**ByteDance**                                                                                        Beijing, China
*Software Engineering Intern*                                                                        Jan 2021- Present
- Supporting the backend of the TikTok ads data platform Libra, an internal Business Intelligence A/B Testing platform; increased the line coverage for unit tests from 29% to 65%
- Added a new feature of generating an experimental conclusion on Libra, providing suggestions for users to make better decisions

**iFLYTEK**                                                                                          Shanghai, China
*Software Engineering Intern*                                                                        Nov 2020- Dec 2020
- Cleaned and preprocessed millions of lines of multilingual text in Python for text normalization in Text-to-Speech Systems
- Cooperated with linguists, verified language practices in NLP, tracked and implemented the latest speech synthesis algorithms

**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, average score increased by 10%
- Graded homework of 180+ students, set rubrics, and handled regrade requests

## PROJECT HIGHLIGHTS

**Artificial Intelligence, Movie Recommendation Project**                                            March 2020- May 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
- Increased the accuracy of review classification by 12% through combining bag-of-words model and bigram model into a mixture model

**E-commerce Website, Personal Project**                                                             May 2019- August 2019
- Designed and created a modern e-commerce web application using the web framework Django
- Built functioning products and carts components by changing the model, template, and view and applying Bootstrap's layout

## TECHNICAL SKILLS

**Languages**                          Java, Python, C++, C, R, HTML, CSS
**Frameworks and Libraries**           Django, Bootstrap, Spring