Jilin Cao

Software Developer | caojilin@berkeley.edu | (341) 333-8052

EDUCATION

University of California Berkeley | Berkeley, CA **Sep 2020 - Dec 2021**

- M.A. in Statistics, **GPA: 3.68**

University of California Berkeley | Berkeley, CA **Sep 2015 - May 2019**

- B.A. in Statistic, Minor in Computer Science, **GPA: 3.52**

Relevant Course:

• Applied Machine Learning • Data Structures • Applied Natural Language Processing • Software Engineering • Concepts of Statistics • Concepts of Probability

PROFESSIONAL EXPERIENCE

Bytedance | Software Engineer **Dec 2022 - Aug 2023**

- Worked on the stability of an internal payment system, focused on the frontend, improved overall stability of the frontend payment services and reduced workload of oncall teams
- Created automated alarms using internal tools(Slardar and Argos) to monitor the anomaly of several micro services
- Developed a website used by frontend oncall teams and help them to quickly locate issues of the frontend performance

Hitachi Vantara | Software Developer **Feb 2022 - Dec 2022**

- Created new pages and implemented new functionalities using **React** for internal server management UI
- Used Redux store for storing the state of the React Application and worked with middleware for the Redux Store.
- Worked in an agile environment, actively communicated with the backend team, and fixed bugs and defects, increasing the web application's convenience and usability.

University of California Berkeley | Teaching Assistant **Sep 2020 - Dec 2021**

- Taught around 50 undergraduate students each semester and helped them reinforce concepts learned from class
- Hold office hours to help students and collaborate with professors to design new problem sets and exams.

PROJECT

Recommender System for Spotify (presentation slides)

- Compared and analized several models(content-based models, KNN, MF etc.) that can recommend mix based on the playlists data of the real spotify users

Image Captioning applications (presentation slides)(github link)

- Trained image-title-generating models and explored its efficency and performance on smaller devices

SKILLS

Programming Languages: Python, Javascript, R, CSS, HTML
Tools/Framework: React, Node.js, Git, Numpy, PyTorch