

Hello

I'm Zoey Shu

San Jose, CA 94538

yaoshu0326@berkeley.edu | (201) 686-3469

Github: github.com/ZhiyaoShu | LinkedIn: [linkedin.com/in/zhiyao-shu-4b4b0016b](https://www.linkedin.com/in/zhiyao-shu-4b4b0016b)

Tech skills

Programming: Python, Java, JavaScript, TypeScript, HTML, CSS

Machine- learning: Pytorch, Tensorflow, Kaggle, Colab

Web: jQuery, RESTfulAPI, React.js, Node.js, Ant design

Backend: Spring Boot, Maven, Flask, Redis

Database/Cloud: MongoDB, Google Cloud Platform, AWS, MySQL, PostgreSQL

Other: Git, Docker, Selenium

Experience

Jan 2024 - present

ML/full-stack intern - [Nexa AI](#)

San Jose, CA

- Played a key role in the full development of **Google Cloud** application from the **React.js** interface to the backend APIs through a **Spring MVC** framework. Spearheaded the design and implementation of critical new modules, enhancing the application's functionality and user experience.
- Utilized **Python** to develop **FASTAPI**, efficiently fetching and presenting product data on the frontend. Streamlining the data flow and improving interface responsiveness.
- Led a full-cycle **user behavior tracking** initiative, implementing **Javascripts** and **Google analytics** to capture user interactions and behaviors. Utilized **Python Collection**, **Pandas** and **Matplotlib** libraries for the extraction, transformation, and visualization of the captured row data. The output provided pivotal insights into user engagement, directly informing company's **product strategy** adjustments and optimizations.
- Led the implementation of **SEO strategies** including **image scaling**, **content delivery network (CDN) optimization** and leveraging keyword search to align content with target audience search intent. This initiative resulted in a substantial **30% reduction** in total search and loading time, optimizing content visibility and accessibility.
- Actively contributed to the training of **function-calling** models, enhancing the functionality and efficiency of **semantic search** and API construction for open-source AI products.

Oct 2022 - Nov 2023

ML/data engineer - *Shanghai West Bund SL Consultant*

Shanghai, China

- Led the development of **Deep Hypergraph Conversational Neural Network (D-HGCN)** by deploying **Pytorch** and to classify users' MBTI personalities. Leverage the GPU CUDA

and **Pytorch** configuration to enhance model training speed

- Utilizing **chat-gpt-3.5-turbo**, **Llama-chat-7b** and **Transformer model** to analyze and interpret complex user profiles and personal descriptions.
- Initiated a research paper that delves into the psychological impacts of social media's one-click feedback behaviors on self-efficacy. The paper has been accepted by **ICSPHS** conference and waiting for further publication

Publication

Thumb up or head down? The impact of upvote on social media self-efficacy

Accepted on Dec 2023

Education/Certification

Georgia tech on edX *Feb 2024*

Object-Oriented Programming with Java

MIT Professional Education *Jul 2023 - Oct 2023*

Applied data science certification

University of California, Berkeley *Aug 2018 - Jun 2020*

Master of landscape architecture