

Yue Huang

San Jose, CA 95008 | yue.huang0513@gmail.com
(669)-900-3359 | linkedin.com/in/yue-huang-cs-math

EDUCATION

NORTHEASTERN UNIVERISTY

Sep 2022 - May 2024

Master of Science in Data Science, GPA: 3.8/4.0

San Jose, CA

- Relevant Courses: Introduction to Data Management and Processing, Algorithms, Supervised Machine Learning and Learning Theory, Unsupervised Machine Learning and Data Mining

SAN JOSE STATE UNIVERSITY

Aug 2017 - May 2021

Bachelor of Arts - Mathematics, minor: Computer Science, GPA: 3.5/4.0

San Jose, CA

- Relevant Courses: Data Structure and Algorithms, Python Advanced Programming, Formal Languages and Computability, Linear Algebra, Abstract Algebra, Probability and Statistics, Numerical Analysis

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, SQL, NoSQL, HTML, CSS, JavaScript, MATLAB
- **Frameworks & Toolkits:** Spring, Spring Boot, MyBatis, Node.js, Express.js, React.js, Vue, Maven
- **Tools:** MySQL, Redis, MongoDB, Nginx, RabbitMQ, Docker, Git

PROJECT EXPERIENCE

Backend for TikTok Mimicry Application

Jan 2023 - Mar 2023

- Developed a backend service based on **Spring Boot** that mimics core functionalities of TikTok social media platform.
- Build **RESTful APIs** including user authentication, video uploading, video feed, following and followers, and search
- Designed and implemented **MongoDB** to manage user data, video data, comment data, like data, and other information enabling high concurrent read/write and scalability.
- Utilized **RabbitMQ** to support asynchronous processing and enhance application performance and reliability.
- Utilized **Nginx** for reverse proxy and load balancing to support high concurrency and traffic control, and ensure application stability and reliability.

Feedback-collection Website

Sep 2022 - Nov 2022

- Built a website that can be used to send mass emails to a big list of users for the purpose of collecting feedback and includes everything from authentication to email handling
- Use **Node.js** and **Express.js** to communicate data from **MongoDB** to this **React** application and built reusable user inputs with **Redux Form**.
- Communicated data from **MongoDB** to this **React** application and built reusable user input with **Redux**.
- Enhance authentication flows in this app with **Google OAuth** authentication and use **Stripe** to process credit cards and receive user payments.

Nearby Reviews Website

Dec 2022 - Feb 2023

- Used **JavaScript**, **HTML** and **CSS** to create user friendly and functional UI of the website for user review and commendation of restaurants.
- Implemented multiple routers and **RESTful APIs** with the MVC structure by using the **Spring Boot**
- Presented a user account authentication system with features of login, log out and signup by connecting to **MySQL** database and implementing **MyBatis-Plus**