Yi Ding

Santa Clara, CA 95051| alinayding001@gmail.com | (408)-622-0103| **linkedin:** yi-ding-b210561a3 | **github:** AlinaYI

EDUCATION

Northeastern University *Sep 2022--Dec 2024*
Degree: Master's Degree of Science in Computer Software Engineering **GPA:**3.2

University of California, Davis *Sep 2017--Jun 2021*
Degree: Bachelor's Degree of Art in Applied Math **GPA:** 3.8

SKILLS

Programming Language: Python, Java, JavaScript
Database: SQL, Redis, MongoDB
Frameworks: Bootstrap, Vue.js, React.js, Backbone.js, Node.js, Spring boot, Django, Kafka

WORK EXPRIENCE

Menusifu Inc **Nanjing**
Software Engineer Intern *May 2022--Aug 2022*
- Constructed and refined a large-scale online food-ordering platform
- Engineered the front-end section of the customer-facing application with **React.js** provided the ability for customers to add/delete products according to discount
- Consolidated back-end logics and deployed server routes with **Node.js** and **Express.js**, and delivered online Payment Module with the integration of TLS and Stripe API
- Applied load balance with **Linux Virtual Server (LVS)** and **Nginx** to disperse users' requests to a Server cluster, increase daily activity, and the QPS reaches **200/s**
- Integrated **Mutex** with **SETNX in Redis** and added in **Memcache** to reconstruct the system and solve cache penetration and cache avalanche issues, improved system availability by **200%**

PROJECTS

Covid-19 Data Source **San Jose**
Machine learning
- Launched a Covid-19 tracker web application with **Vue.js, and Node.js** to check world cases and recovery, specific country report
- Optimized MySQL Database with **Dense Index** and **Query Caching** to shorten single query time by **71%** and consolidated the Recommender System with matrix factorization and neural networks
- Implemented **Google Map API** for a live interactive bubble world map

To-Do Lists (https://github.com/AlinaYI/Projects/tree/main/Todo) **San Jose**
Web App
- Developed a Todo application aimed at providing a simple and intuitive platform for task management.
- The application features user authentication, allowing users to have personalized task lists.
- Implemented a secure login system for users to access their task lists.
- Utilized Node.js and Express.js for backend development, handling server-side logic and API requests.

Personal Blog (https://github.com/AlinaYI/Projects/tree/main/personal_blog) **San Jose**
Web App
- Developed a dynamic web application using **React** and **Express.js**.
- Utilized **Node.js** to enhance user interactions, ensuring seamless and responsive communication between the client and server.
- Implemented a range of features including **theme customization**, and **interactive components** like comments and image galleries.
- Emphasized responsive design to ensure compatibility across various devices and screen sizes.

ColorHub (https://github.com/AlinaYI/Projects/tree/main/colors-hub) **San Jose**
Web App
- Utilized **React** to build a dynamic and interactive UI, focusing on components like Home, Create, Saved, and MyColors for different functionalities.
- Used **Node.js** to handle user authentication, palette management, and server-side logic.
- Added a dark mode toggle feature for user preference and implemented a color hex code copy feature for ease of use.
- Introduced pagination to manage the display of many color palettes efficiently.