Ben Guo

626-239-5477 | junbinbenguo@gmail.com | linkedin.com/in/benguo2003 | github.com/benguo2003

EDUCATION

University of California, Los Angeles   September 2021 - June 2025
Bachelor of Science in Computer Science - GPA: 3.7/4.0   *Los Angeles, CA*
- **Relevant Coursework**: Programming with C++, Data Structures & Algorithms, Software Construction & Development, Machine Language and Computer Organization, Statistics, Multivariable Calculus, Linear Algebra, Differential Equations, Computer Networking

WORK EXPERIENCE

Software Engineering Intern   July 2023 - Present
AvanSight   *Irvine, California*
- Using **ASP.NET MVC** to develop web applications for pharmaceutical companies to keep track of their clinical studies - patient data, trial results, etc.
- Developing backend data processing, storage, and routing with **C#**
- Actively improving frontend client interface using **javascript**, **jQuery**, **AGGrid**, and **amCharts**

Commodity Trading Advisor and Analyst   August 2022 - December 2022
Audaque Data Technology   *Los Angeles, California*
- Analyzing daily trade graphs and models with **Python** and **C++** to collect necessary information for clients
- Predicting values of futures based on metrics like trade volume as well as opening & closing prices

Software Engineering Intern   July 2022 - September 2022
Yami   *Brea, California*
- Collected race & ethnicity demographics from US cities and colleges by **web scraping** with **Python**
- Stored, organized, and sorted the collected data into a **database** using **MySQL**
- Built an internal **full-stack web application** that allowed users to access the data through a **RESTful API** using **Angular - CSS, HTML, TypeScript**, and **Spring - Spring Boot, Spring Security, Java.**
- Optimized the application by implementing **Redis** as a **CacheDB**

PROJECTS

MyCourse | *HTML/CSS, JavaScript, React, Express, MongoDB, Node.js*   September 2021 - June 2022
- Created a **full stack** course planner for UCLA students
- Integrated and utilized **UCLA's courses, classes, and schedules APIs** in the application
- Allows for **real time listing** of available classes for any school quarter, displays information including **class size, time, location and mapped directions**
- **Dynamically displays** the logged in user's added classes and saves their information from **MongoDB**

QED.AI | *Firebase, Express, React, Node.js*   April 2023 - May 2023
- Developed a web application that **validates mathematical proofs and equations** with natural language processing
- Utilize and implemented **OpenAI's ChatGPT API** and **Mathpix's Image Recognition API**
- Stored user information and their past questions and answers using **Firebase**

TECHNICAL SKILLS

Languages: Java, Python, C/C++/C#, SQL, JavaScript/TypeScript, HTML/CSS

Frameworks & Tools: React, Angular, Node.js, Spring, Express, ASP.NET

ADDITIONAL INFORMATION

Communication: English (Native), Mandarin Chinese (Native), Spanish (Intermediate)