James Jian

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EDUCATION

San Jose State University — San Jose, CA
Bachelors of Science, Computer Science — *Aug. 2020 – Dec. 2023*

- Cumulative GPA *3.6, Cum Laude*
- Dean Scholar *Fall 2020, Fall 2022, Spring 2023, Fall 2023*
- Relevant coursework: *Data Structures and Algorithms, Computer Architecture, Objected Oriented Design, Programming Paradigms, Operating Systems, Computational Theory, Database Management Systems, Calculus III, Linear Algebra, NoSQL, MySQL, Advanced Python Programming, Computer Networks*

EXPERIENCE

Customer Service — June. 2022 – Aug. 2022
Walgreens — *San Francisco, CA*

- Provided customers with courteous, friendly, fast and efficient service by assisting their needs.
- Efficiently registered customer purchases on cash register and distributed change as requested during busy hours.
- Kept counters and shelves clean and stocked by constantly taking inventory and restocking empty shelves.

PROJECTS

IMDb Data Visualizer | *Python, Flask, Beautiful Soup, Jinja* — Dec. 2023

- Developed a web application using Flask that displayed information from IMDb.
- Implemented web scraping techniques using Beautiful Soup to extract relevant data from IMDb, demonstrating strong data acquisition skills.
- Utilized Python libraries such as Pandas and NumPy to manipulate and clean data efficiently, enhancing the overall data quality and integrity.
- Created interactive and responsive user interfaces, allowing users to explore and interact with the visualized data effectively.

Food Delivery Service | *React.js, Node.js, MySQL, Express.js, Google Maps API* — Jan. 2023 – May 2023

- Developed a web application that allowed restaurants to request drivers to deliver food to customers.
- Integrated Google Maps API to provide accurate navigation and real-time tracking of drivers from their current location to restaurants and customers.
- Ensured a user-friendly interface for drivers to accept orders and follow optimized routes.
- Employed Docker to containerize the application, enabling easy deployment and scalability across multiple environments.
- Created SQL database to store user and delivery information for quick retrieval.

Song Database | *MongoDB, Flask, EC2* — April 2023 – May 2023

- Developed a web application enabling users to create personalized playlists from songs.
- Implemented user account functionality, allowing users to create accounts and securely add songs to their personalized playlists.
- Designed a scalable database architecture by utilizing three shards, each consisting of a replica set of three nodes.
- Utilized MongoDB as the database management system, ensuring efficient storage and retrieval of song data.
- Deployed the database on multiple AWS EC2 servers to improve availability.

Pictionary Game | *Discord.js, Express.js, Socket.io, p5.js, Canvas API* — Nov. 2020

- Developed a discord bot that allowed users to play pictionary within their discord server.
- Made a web application that was used as the drawing canvas by using Canvas API.
- Implemented the use of Socket.io and Express.js to enable real time interaction between the web application and Discord bot.
- Worked with a team of 3 other developers to deliver a winning hackathon project.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS
Frameworks/Libraries: JavaFX, React.js, Node.js, Express.js, Flask, Beautiful Soup
Developer Tools: Git, GitHub, MySQL, MongoDB, Cassandra, AWS, Docker