Jason Li

jasonli12365@gmail.com | linkedin.com/in/jasonli13/ | github.com/jl12365 | jl12365.github.io/

EDUCATION

Stony Brook University — Expected – May 2026
Bachelor of Science in Information Systems

Relevant Coursework: Data Analysis, Data Structures & Algorithms, OOP, Statistics & Probability, Databases, Fintech w/ AI & Cloud, Intro to Visualization

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, R
Frameworks & Tools: React, Node.js, Express.js, Tailwind, Magento, Jira, BigQuery, Postman, Git, Docker, Kafka, Redpanda, RabbitMQ

EXPERIENCE

Undergraduate Research Assistant — August 2024 – Present
Stony Brook University

- Assisting in the development of machine learning algorithms for distributed systems to accurately exploit information through uncertain environments

1-800-Flowers — June 2024 – August 2024
Software Engineer Intern - Back-end development on the B2B Applications Team

- Led the first project of my teams' switch to the Adobe App Builder framework, scoping its APIs and architecture
- Engineered an event-driven data pipeline with Node.js scripts to perform CRUD operations on over 230,000 products, removing 5 cron jobs and reducing I/O from our SQL databases by 20%
- Reduced redundant notifications in RabbitMQ queues by over 40% through the addition of custom processing logic that compares JSON data, identifies differences, and optimizes REST API calls for more efficient product updates.
- Utilized node-rdkafka library and Postman during prototyping to track and manage message delivery, later implementing robust error logging and handling because of this system

Stony Brook Medicine — September 2023 – April 2024
Student Assistant

- Analyzed 1,000+ medical documentations across multiple departments using athenaIDX; identifying discrepancies between hospital data which optimized the billing cycle by 15%
- Successfully merged the databases between 2 hospitals, while maintaining effective communication with the coding team and managers
- Directed 2 other students in the learning of our software to expedite the billing process

PROJECTS

Messaging App

- Built a complete real time chat app, utilizing the MERN stack for efficient back-end and Tailwind for the front-end
- Learn the fundamentals of authentication with JWT, real time messaging and online status with Socket.io, error handling on server and client side, and middleware for authorization on API's

Spotify Data Pipeline

- Developed an ETL pipeline from Spotify's Web API that extracts the user's playlist JSON data including artist, song name, and more; converting it into a CSV format
- Created a track counting Python script to iterate the number of songs in the playlist

Data Analysis Project

- Ran various statistical analysis including linear regression, R-squared calculation, and hypothesis testing to fit a regression model; providing relationship between IV and DV
- Successfully performed multiple instances of data imputation and data manipulation using R libraries (mice & alr3)