

Jerry Su

New York City, NY • (646) 209-3865 • jerrysu.nyc@gmail.com • [Personal Portfolio](#)

EDUCATION

Stony Brook University

September 2019 - May 2023

Bachelor of Engineering in Computer Engineering, GPA: 3.48/4.0

Stony Brook, NY

- Relevant Coursework: Advanced Programming and Data Structures, Software Engineering, Machine Learning and AI, Mobile Cloud Computing, Operating Systems, Embedded Systems

SKILLS

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

Technologies & Tools: Azure, Git, Docker, Kubernetes, Flask, HTML, CSS, Android SDK, iOS SDK, Excel, PyTorch

WORK EXPERIENCE

General Motors

June 2023 – Present

Software Engineer

Michigan, USA

- Analyzed over 100,000 miles of crowdsourced data, leveraging high-precision LiDAR mapping to obtain reliable data for the Super Cruise autonomous driving group, boosting revenue from \$13 billion to \$19 billion
- Transitioned features from a monolithic architecture to microservices using Azure and Docker, enabling the analysis of over 1TB of driving data and optimizing processing efficiency by a factor of 10
- Collaborated cross-functionally to address customer reported features to production vehicles using over-the-air technology to substantially reduce customer complaints by 90% and improve autonomous capabilities by 30%
- Designed an automated Python script using Selenium to replace 8 hours of manual VIN searches with just 15 minutes of processing, contributing to over \$1 billion in revenue

Stony Brook University

August 2021 – May 2022

Teaching Assistant

New York, USA

- Facilitated weekly recitation sessions and office hours supporting 500+ students in Intro/Advanced Programming and Data Structures
- Coordinated 1-on-1 meetings with 20+ students to review and help ensure understanding of course information
- Assisted in creating on-boarding documents for future TAs to reduce orientation period by 50%

PROJECTS

Spotify Stats

Python/API

- Developed a dynamic web app to display user Spotify account stats using Flask and Spotify Web API, allowing users to view their most-listened-to artists and tracks over different time ranges (e.g., 4 weeks, 6 months, 1 year)
- Integrated OAuth 2.0 authentication flow, enabling users to securely log in and authenticate via their Spotify accounts, resulting in a seamless and secure authentication experience in over 95% of users
- Simplified landing page by eliminating clutter, intuitive layouts, and strategically placed data cards to present stats in a visually appealing manner, increasing user ratings by 40%

Personal Portfolio Website

[Personal Portfolio](#)

JavaScript/HTML/CSS

- Launched a full-stack portfolio website with no prior knowledge, integrating advanced animations and interactive elements using libraries and frameworks, resulting in a dynamic and engaging user experience
- Integrated responsive design to ensure cross-device and cross-browser compatibility to all platforms, significantly expanded the potential audience by 50%
- Streamlined the website sharing process by migrating from a local host to Firebase and Squarespace, resulting in a 40% reduction in load times and enhanced global accessibility

DataVision

Java/Android Studio

- Built a program to analyze up to 30 million data points from New York and Newark, to predict resolution times for government service requests, achieving an 87% success rate in accuracy

LEADERSHIP

Asian Students Alliance

Sept 2021 – May 2023

- Promoted inclusiveness on campus by organizing 2 events per month, accessible to the entire student body