

JERRY SU

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Education

Bachelor of Engineering

Stony Brook University

GPA: 3.48 09/2019 - 05/2023

- Major in Computer Engineering

Stony Brook, NY

Relevant Coursework

- Advanced Programming and Data Structures | Android Programming | Mobile Cloud Computing | Network Security Engineering | Programming Fundamentals | Real – Time Operating Systems | Embedded Systems I & II | Computer Architecture | Computer Communications

Skills

- **Programming Languages: Proficient in: Java** | Experience with: Python | C++ | C | JavaScript | HTML | CSS | VHDL | Assembly
- **Technologies & Tools:** Bootstrap | Android SDK | Git | Selenium | Firebase | Microcontrollers

Experience

Software Engineer

General Motors

Warren, MI, USA

06/2023 - Current

- Designed a script using Python and Selenium contributing to \$1 billion+ in revenue every year by efficiently search through 5000+ VINs for specific qualities, driving an unprecedented speed improvement of 1000% when compared to the previous manual method.
- Optimized the sharing of data with 20+ partnered dealerships by dissecting company-wide accessory related warranty reports and tailoring over 100+ reports each month empowering partners to accurately and swiftly correct any errors.
- Spearheaded a foundational concept for an illuminated wheelcap to be dependent on smartphones instead of the car module, reducing development time by roughly 40% and creating an extremely user-friendly and interactive space.
- Integrated team with new tools like automation to improve progression, reduce wait-time by roughly 30%, and improve quality by 15%
- Mentored an intern for 2.5 months through exemplary communication and guidance increasing productivity by 33%

Projects

Personal Website

[jerrysucode.com](#)

JavaScript/HTML/CSS

- Demonstrated the ability to rapidly acquire new skills and knowledge, producing a fully functional website within 1 month, including modern technology such as Bootstrap, Animate.css, jQuery, Firebase, Owl-Carousel, etc.
- Ensured superior website accessibility by seamlessly adapting the design to various mobile devices and browsers, expanding the potential audience by approximately 42%.
- Enhanced user engagement with website by roughly 28% through strategic integration of specific frameworks and libraries to improve user interface and increase visual appeal.
- Leveraged many new technologies with 0 prior knowledge, reaching a commendable level of expertise in areas such as JavaScript, HTML, CSS, frameworks, libraries, and other tools.

DataVision

Java, RestAPI, Android Studio

- Deployed a real-time program to read over 30+ million datapoints from New York and Newark for data analysis, facilitated a weekly hypothesis testing routine with 2 other members to evaluate the 100+ factors that can contribute to the bias of the dataset
- Customized a prediction algorithm for giving the average time within an 87% success rate for a service request to be finished in Newark.
- Maintained the code within the year to continuously give accurate results by updating API with new datasets and increase the speed of the program by roughly 250%.
- Implemented a function to easily translate the data gathered into excel sheets for easy access and data maintenance.

Microchip Programming with AVR128DB48

C, Assembly

- Achieved a 35% efficiency upgrade by improving the program to be interrupt-based and allowing display to update 1000+ per second.
- Troubleshooted code through simulations cutting code by 35% and decreasing memory by 20% all while retaining core functionality.
- Executed the integration of a new feature, SCD-41, with wireless data transfer of a technology able to precisely read CO2 concentration, humidity, and temperature, resulting in a 100% increase in update speed of the LCD display.

Leadership Experience

- **Campus Club:** Interviewed, on-boarded, and guided 15+ members every semester into a collaborative team setting
- **Teacher Assistant:** Provided personalized support to 20+ students addressing individuals and ensuring comprehension of course material

Achievements

- **J.P. Morgan Virtual Software Engineer Internship**(with Forage): Completed virtual internship and awarded certificate (**Python**)

Hobbies

- Watch TV Shows | Video Games | Finance Tips & Tricks | Travel | Exercise | Cook | Teach | Collectibles | Meditation | Volunteer