John San Juan

+1(408) 667-7412 • Brentwood, CA
andrewsj.ahs@gmail.com • www.linkedin.com/in/johnsanjuan6 • github.com/mrsamsonn

EDUCATION

Bachelor of Science, Computer Engineering, California State University, East Bay — Expected Fall 2024
Associate of Arts, Natural Science: Math and Technology Emphasis Ohlone College — 2016 - 2021

CONTINUING EDUCATION

Berkeley Labs WDE Internship Preparatory Workshop — Jan 2024

SKILLS

Technical Skills Git, Data Structures, Linux, PuTTY, Visual Studio, CLion, Cloud 9 AWS, GNU, Google Cloud Flask, Django, AWS EC2, SQLite, TailwindCSS
Languages Python, C, C++, HTML, CSS, JS, LaTeX, Bash Shell, MIPS Assembly
Soft Skills Communication, Teamwork, Flexibility, Problem-Solving, Researching, Accountability

WORK EXPERIENCE

Backend Web Developer — Sep 2023 - Present
XConnect-Global — *Santa Cruz, CA*

- Collaborating with a team of 4 to develop the PaaS project's backend infrastructure using Django Framework and SQL.
- Designing and implementing Python functions to enhance project functionality.
- Achieved a notable 30% reduction in code complexity and improved maintainability by applying DTL (Django Template Language) and HTML, optimizing framework efficiency.

Tech I — May 2022 - Dec 2023
Revivn, Inc. — *San Leandro, CA*

- Diagnosing and restoring computer hardware, including logic boards and components.
- Enhanced processing efficiency by implementing low-level BASH scripting.
- Consistently achieved a remarkable weekly throughput, processing an average of 120+ laptops, demonstrating high productivity in hardware restoration.

Research Student — Aug 2022 - May 2023
California State University - East Bay — *Hayward, CA*

- Developed a Python application for advanced stock price analysis.
- Utilized the VaderSentiment package for sentiment analysis on Reddit data.
- Implemented the ARIMA model with TensorFlow and Keras for market trend insights.
- Efficiently processed 4,665 comments from 230 posts across 60 subreddits in 236.34 seconds.

PROJECTS

FPV Drone Project (Collaborative) — Jan 2022 - May 2022

- Collaborated with a fellow computer engineering student to design and build an FPV drone, showcasing teamwork and project management skills.
- Configured Beaglebone Blue for FPV functionality and Ardupilot for precise flight control.
- Implemented real-time video streaming via OpenCV, enabling FPV capabilities, and established secure SSH remote control, demonstrating expertise in drone technology, computer vision, and networking.

Think Soft(Collaborative): — Jan 2023 - Feb 2023

- Developed "Think Soft" Bash Script with two technicians for efficient hardware attribute collection and secure API-based data transmission.
- Optimized inventory management by implementing API integration for data transfer.
- Demonstrated scalability, potentially processing over 300 Apple Silicon chip computers weekly, leading to substantial productivity gains.

Reddit Sentiment Stock Analysis — Aug 2022 - May 2023

- Developed Python program using Vader package for Reddit sentiment analysis on stocks.
- Utilized sentiment analysis to forecast trends in leading stocks, improving predictive capabilities.
- Demonstrated expertise in natural language processing and data analysis, enhancing stock market decision-making.