

John Sullivan

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Education

- B.S. Computer Science, CSU Monterey Bay, May 2018
- Eagle Rock High School, June 2014

Experience

Staff Engineer | yU+co

January 2022 - August 2023 | Los Angeles

- Maintenance and development of studio production infrastructure: internal networks, web presence, central storage, render farm, etc
- Implemented policy and practice for studio asset security
- Responsible for on-call technical support, resolving hardware and software issues to meet deadlines
- Engineering consultant for various internal and external projects, guidance for building robust and sustainable systems

Freelance Software Developer

January 2020 - March 2021, September 2021 | Los Angeles/Remote

- Provide technical services to clients, such as backend software or web development
- Technologies used range across tools like scikit/pandas/jupyter, React, ASP.NET Core, Clojure & ClojureScript, SQL/MySQL/SQL Server, Hugo, AWS/Azure
- Used Python with Jupyter and Pandas to explore emerging AI technologies provided by the HuggingFace project
- Determine scope and outcomes for client projects
- Consulting for software installation and operations, hosting, recurring costs, etc
- Delivered such products as a scheduler for an interactive LED display at the LA Music Center, custom web applications for clients like the Fowler Museum at UCLA, multiple client portfolio websites, and more

Software Engineer | Walmart via Insight Global

March 2021 - September 2021, August 2023 - September 2023 | Remote

- Creating solutions for pushing real-time updates of price information to stores through the Walmart chain
- Maintaining and improving a customized, large-scale stream processing application running on Apache Kafka and Clojure
- Adding visibility to production performance through Grafana dashboards & alerts

Software Engineer II | Capture2

July 2018 - August 2019 | San Diego, CA

- Deployed and maintained a set of polyglot backend REST API services which added critical features, including technologies implemented in C# ASP.NET Core, Spring Boot in Java, and Python Flask
- Created reporting integrations for Microsoft Office using ReactJs, allows customers to create reports using tools they're already familiar with
- Implemented a search-by-location capability for govt business opportunities in Telerik Kendo, allowing customers to easily find opportunities in places relevant to their business
- Eliminated wasted time and human error from manually deploying backbone architecture by automating with Azure RM templates, Ansible, Docker, and Kubernetes
- Used Kibana to identify performance bottlenecks in Elasticsearch and improve customer experience

Teaching Assistant | TA++ Program, CSUMB SCD

August 2016 - June 2018 | Seaside, CA

- Delivered quality instructional assistance to the Intro, Multimedia, and Web programming classes
- Advised students on technical considerations for python multimedia projects
- Collaborated on an engaging intro programming curriculum including in class labs, study sessions, and extracurricular activities
- Directed Peer-Led-Team-Learning sessions that improved student cooperation and practical problem-solving skills

Undergrad Researcher | CSUMB-UROC Research Internship

May 2016 - August 2017 | Seaside, CA

- Synthesized original research in computer input peripherals
- Used data science methodologies and python data science frameworks like scikit and Tensorflow to test signal processing and classification techniques
- Assisted in other VR/peripheral related projects in a cooperative lab environment, particularly in sysadmin and creating solutions with the Unity game engine

Computer Repair Volunteer | Loaves Fishes and Computers

September 2017 - January 2018 | Salinas, CA

- Technician assisting with refurb of computers for in-need community members
- Wrote software for automated hardware lifetime checks & issue reporting
- Assisted customers one-on-one in technical support and consultation

US Census Enumerator | US Census Bureau

July 2020 - August 2020 | Los Angeles, CA

Co-Founder/Software Developer | Spodder

August 2019 - January 2020 | Remote

- Allows users to anonymously add and discover 'beacons' on a shared map, which detail local places and events
- Created mobile app using React Native/React-Redux with integrated analytics tracking
- Deployed infrastructure using docker-compose and cloud-native services like S3

References available upon request