

George Anderson

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TECHNICAL SKILLS

Javascript - (NodeJS, React, React Native, Redux, Ember, D3, Typescript, P5.js)
Kubernetes
Serverless Frameworks (Google Cloud Platform, Firebase, Google Cloud Functions)
Container Software: Singularity (Containers for High Performance Computing), Docker
Python (Data Analysis and Mining)

WORK EXPERIENCE

(August 2019 — Current) Frontend Engineer - Built plethora of features including Commands Auditing, Rapid Response (embedded terminal into host), Overview dashboards, compliance reports. Led and drove the development and UX for the new primary landing page for Sysdig's security product ("Insights") which is the main way the user does forensics investigations with a highly interactive visualization and seeks to replace the traditional events feed.

(August, 2018 – December, 2018) Engineering Independent Contractor, Sysdig- Continued to work for Sysdig post-internship, working twenty hours a week assisting with various features and building new components.

(June, 2018 – August, 2018) Intern, Sysdig – Worked over the 2018 Summer as a Frontend Engineer helping transition Sysdig's codebase from Ember to React. Built data visualization components, Single-Sign-on Authentication methods, and helped start and grow Sysdig's component library. Helped design a process for integrating new React components into the existing codebase. We developed in Typescript.

(2017-2018) React Native Developer, Skrapps – Developed the beginning of an app for Skrapps which allows musicians and other artists to share ephemeral content.

PROJECTS

(2019-Present) Containerization / Virtualization of Physics Simulations- Capstone senior research project as a Physics/Computer Science major. Containerized USC's Computing and Simulations department's molecular dynamics software (RXMD) using Singularity containers. This allows for easily distributable software and ensures consistency across computing environments, critical for peer-reviewed research. Maintained linear-scalability, necessary for multi-billion atom simulations.

(2017-Present) React Native – Learning React Native, CI/CD processes and serverless frameworks by developing a marketplace which enables companies to construct affiliate programs so customers can easily refer products in exchange for money. It integrates with Firebase Database, Node.js functions (Google Cloud Functions), Shopify's API, and a few other APIs.

(2018) Text Mining and Analysis of Literary Works- Built a Python program to search through 25,000 early English books, examining use and connotation of specific words. Assisted in researching the historical connotation of "Addict". My Professor presented these results at the annual Shakespeare Conference.

INVOLVEMENT

Award - Organization

Presidential Scholar – University of Southern California

National Merit Scholar- National Merit Scholarship Corporation

COMMUNITY SERVICE

(2016) Volunteer, WWOOF – Constructed barns, fences and cabins on organic farms for two and half months in France and Norway in exchange for food and accommodation. Many of these farms are struggling to continue producing organic foods and are smaller family farms that need help.

(2015) Tutor, Educational Justice – Mentored young high-schoolers in the college application process and tutored them for the ACT, allowing them to improve their scores in order to receive good financial aid packages.

EDUCATION

University of Southern California, Los Angeles, California

B.S Computer Science/Physics

Graduated: 2019