


ALAN NOUN

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 <https://github.com/alannoun>

EDUCATION

Bachelor of Science in Computer Science

May 2020

Cal State University East Bay

Lawrence Livermore Lab Foundation Scholar

June 2019 - June 2020

First recipient of the Livermore Lab Foundation scholarship, awarded to provide an opportunity to work with and as a software developer at Lawrence Livermore National Laboratory under the mentorship of senior software developers.

SKILLS

Computer Languages Software & Tools

Python, Bash, Javascript, Typescript, Java, GraphQL, HTML5, CSS, C++
Docker, Git, Linux, NodeJS, React, ReactNative, Redux, SQL/NoSQL

EXPERIENCE

Cognizant Technology Solutions

June 2021 - Present

Full Stack Software Engineer

- Worked with other developers, internal sales teams, and client teams to design a high fidelity body pose tracking application with 3D rendering capabilities using React Native, TensorflowJS, and Three.js
- Collaborated with a small team of developers and designed a front-end micro-service to query and aggregate all the data from multiple REST APIs
- Built CI/CD pipeline for a serverless app using AWS Lambda and AWS CodePipeline

Lawrence Livermore National Labs

June 2019 - June 2020

Data Science Summer Institute Intern

- Worked as the sole developer on the containerization of a legacy high-performance 3D application using Docker to improve portability and bring the project closer to being production-ready
- Developed multiple Bash/Shell scripts, streamlining and automating the process of generating synthetic data, to train a convolutional neural network for the classification of airplanes in satellite imagery
- Debugged complex C++ build systems and solved multiple device driver issues to enable performing graphical operations in a virtual environment. The Docker image I created is now being used as the basis for production

EXTRA-CURRICULAR AND PERSONAL PROJECTS

Job Social Media

<https://jobhive.io/>

- Social media app created to keep track of job applications, organize company specific application resources, and share personal experience interviewing at different organizations.
- Utilized a React GraphQL client library to implement cache normalization, pagination, design custom cache resolvers, and query GraphQL API running on Express
- Designed event driven API endpoints for live feed updating by subscribing via Apollo Server's subscription handler, developed custom authentication middleware, and implemented data batching with GraphQL DataLoader