David Andrew Soriano Quines

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EDUCATION

Bachelor of Science in Computer Science
California State University, Northridge · Northridge, CA · 2021 · Honors: cum laude (GPA 3.53)

EXPERIENCE

Cloud Engineer
CSUN ARCS – EVAA   January 2021 – December 2021, Northridge, CA
· Architected the application cloud infrastructure and developed it by researching various services and demonstrating the most suitable service for the use case.
· Developed and implemented services to monitor microservices hosted on AWS EC2 instances using AWS Lambda and Cloudwatch to call services only when needed to reduce cost.
· Created a RESTful API with read and write operations using API Gateway to access a Spring-boot microservice hosted on EC2 that queried data from an Postgres RDS instance.
· Researched and Developed the application cloud infrastructure by finding the best services for our needs.
· Provisioned and Managed cloud-hosted application's infrastructure by using Terraform to create the necessary services and policies in AWS.

Instructional Student Assistant
Academic Enrichment Center – CSUN   January 2020 – May 2021, Northridge, CA
· Tutored concepts from Computer Architecture and Assembly Language, Data Structures and Algorithms, Discrete Structure For Computer Science, Advanced Data Structures, and Automata, Languages, and Computation to students.
· Analyzed students' code to locate errors and suggested different options to fix them.
· Developed unique and creative teaching techniques to simplify the material to students and to help them grasp complex concepts.
· Tutored two to ten students per tutoring session.

SKILLS

Programming Languages: JavaScript, Java, , HTML, CSS, SQL, Python, Dart, HCL

Platforms: Amazon Web Services, Firebase

Frameworks and Libraries: Node.js, React.js, MySQL, Spring Boot, Flask, Flutter, Terrafrom

PROJECTS

Dictionary Attack
November 2021 – December 2021
· Built a single page web application using React.js that simulates a word game in which users have to find words from a given set of letters.
· Developed a backend service using Node.js as an RESTful API that pulled definitions from the Oxford Dictionary API and sent player information such as username, highscore, and play-time to a MongoDB cluster.
· Experience in cloud hosting services by using Heroku to host the Node.js backend service and using Netlify to host the React.js frontend application.

ChorusX
April 2021 – April 2021
· Built for the 2021 CSUN MataHacks Hackathon, ChorusX is a web application that tracks the live position in orbit of 10 satellites in real-time on a third-dimensional sphere of the Globe.
· Created a Flask backend service in Python that obtains the position of each satellite from the N2Y0 API.
· Developed the front end user interface by using Three.js to render the 3D model of the globe and React.js to display the real time locations of the satellite on the globe.

Software Engineer
EureQa · September 2020 – May 2021
· Developed a mobile application using Flutter that allowed users to post questions to be answered by other users.
· Created RESTful API using Spring-boot to return responses of data such as user information, questions, and answers posted coming from MongoDB using CRUD operations.
· Implemented a chat system user interface using Flutter and stored the chats on Cloud Firestore.
· Supervised the software lifecycle and measured the project scope using GitHub Version Control and Atlassian.

AWARDS

MataHacks 2021 First Place Winner – ChorusX
California State University, Northridge · 2021
· Won multiple awards for First Place, Best use of Google Products, and Best Design.
· Developed a real-time web application that displays the live position of well-known satellites on a 3D model of the globe.

2021 CSUN Senior Design Showcase First Place Winner – EureQa
California State University, Northridge · 2021
· Developed a mobile application designed to link users with others to answer questions on categories such as lifestyle, academics, and technology.
· Built the mobile user interface using Flutter.