David Andrew Quines

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🌐 https://github.com/davidsquines

Education

📅 08/2017 – PRESENT 📍 NORTHRIDGE, CA, USA
Computer Science | Bachelor Of Science
California State University - Northridge
Expected Graduation Date: Fall 2021
3.46 GPA

Work Experience

📅 12/2020 – PRESENT
ARCS Associate - Lead Cloud Engineer
Autonomy Research Center for STEAHM (ARCS)

- Currently Involved in a CSUN ARCS research project as a Back-End/Cloud engineer, whose objective is to create a system that will ensure trust between machine learning services and aircraft and operating pilots.
- Experienced with Infrastructure as Code and agile work environments.
- Hands-on with EC2, RDS, IAM, CodeDeploy, CodePipeline, S3, Lambda, Cloudwatch, and ECR.
- Created list of necessary Cloud services and diagram of cloud Infrastructure.
- Provisioned and Managed cloud-hosted application infrastructure using Terraform.

📅 01/2020 – 05/2021 📍 NORTHRIDGE, CA, USA
Instructional Student Assistant / Tutor
CSUN Academic Enrichment Center

- Courses Tutored: Computer Architecture and Assembly Language, Data Structures and Algorithms, Discrete Structure For Computer Science, Advanced Data Structures, and Automata, Languages, and Computation.
- Located errors in students' code and explained the source of their bugs and how to fix it.
- Taught students' course relevant information based on their class lectures.
- For the current virtual school environment, created and managed Zoom sessions for incoming students.

📅 09/2020 – 05/2021
Software Engineer
EureQa

- Mobile Application Project.
- Designing the back-end architecture and business logic of application.
- Creating RESTful API using Spring-boot Java to return responses of data coming from MongoDB.
- Implementing a chat system with Cloud Firestore.
- Overseeing the software architecture and measuring that the project scope will be completed on schedule by developers via GitHub Version Control and Atlassian.

📅 06/2020 – 08/2020 📍 BURBANK, UNITED STATES
Software Engineer
OFF-TOP

• Developed in a team-based, agile environment to create a cross-platform mobile and web application, using Flutter.
• Implemented a user login and google certification component

Work Experience

utilizing Google Firebase and Firebase Authentication.
• Created a RESTful API in Node.js and queried against a MySQL DB for settings data.

Skills

ⓘ **PROGRAMMING LANGUAGES**
Java, JavaScript, Python,
Dart, HTML, CSS

ⓘ **FRAMEWORKS AND LIBRARIES**
Flutter, Spring-Boot, Node.js,
Serverless, PostgreSQL,
React.js, Flask

ⓘ **PLATFORMS**
Docker, Amazon Web
Services, Terraform, Firebase,
MongoDB

Awards

04/2021
MataHacks 2021 First Place Winner
MataHacks Hackathon
https://devpost.com/software/chorosx

- My team and I developed a live satellite tracking application, use React.js, Three.js, Flask, and Cloud Firestore.
- Provisioned the backend using a RESTful API built with Flask and Cloud Firestore.
- Won First Place, Best Designed Project, and Best use of Google Services.

05/2021
2021 CSUN Senior Design Showcase First Place Winner
California State University
https://csunshinetoday.csun.edu/students/students-dazzle-with-unique-projects-at-2021-virtual-senior-design-project-showcase/

- Developed a mobile application called EureQa, which took first place.
- Designed and Implemented chat system using Firebase and Flutter/Dart
- Developed in a team-based, agile environment.

Dean's List
California State University - Northridge

- Fall 2017
- Spring 2018
- Fall 2020