

# 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