**Gabe De Mesa**

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**Education**

B.S. in Computer Science September 2018 - December 2021

University of California, Irvine

**Work Experience**

**Software Engineer I** January 2021 - Current

Climate, San Francisco CA

In addition to my previous responsibilities as an intern listed below, I am working to deliver a comprehensive online web application for our customers

* Used Typescript, yarn, node, and other numerous technologies to develop a frontend application
* Obtained AWS Cloud Practitioner License and Scaled Agile Framework (SAFe) training
* Deployed AWS resources with CloudFormation and setup IAM permissions through code
* Utilized Java, Maven, & Docker, and libraries to maintain a Netflix-like backend architecture
* Learned GraphQL and used that knowledge to fill gaps in our team’s an orchestration layer

**Software Engineering Intern** June 2021 – September 2021

Climate, San Francisco CA

Worked on the Internal Tools team to deliver a data dashboard for an experimental fungicide.

* Responsible for over 100,000 lines of code for an internal tools-portal
* Constantly communicating and iterating on user feedback using the SAFe framework
* Worked in React, rigorously tested in Cypress, ticketed in Jira, and pipelined with GitLab

**Airport Software Engineering Intern** April 2020 – Jan 2021

Buchanan Field Airport, Concord CA

Single handedly delivered a full-scale, production-ready online syllabus and flight time recording system. Closely worked with user-feedback and incremental test-driven development.

* Developed with Django in Python, AWS, and PostgreSQL for the backend
* Designed front-end interface with HTML, CSS, and JavaScript
* Utilized non-blocking, asynchronous web technologies like Celery, AJAX, and Redis

**Projects**

**Pacific States Aviation - Technical Course Outline**

An online e-learning platform for my local airport’s flight school

* Empowered over 100 students and instructors to work from home during a pandemic
* Revitalized paper flight instruction syllabuses

**Delaro 2021 Dashboard**

A comprehensive data analytics dashboard for Bayer Crop Science’s Fungicide Trials

* Implemented an enrollments table to view grower information and fields participated
* Enabled customer support specialists to visualize grower information and fields

**Technical Skills**

* **Programming Languages:** Typescript/Javascript, Python3, C/C++, Assembly, Java, Python3
* **Software Tools:** PostgreSQL, Django, React, AWS, Git, Linux, Docker, NodeJS, GraphQL
* **Concepts:** Statistics, Data Structures, Algorithms, ML, AI, Databases, Operating Systems
* **Comfortability:** Frontend, Backend, DevOps