**Gabe De Mesa**

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**Education**

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

University of California, Irvine

**Work Experience**

**Full-Time Software Engineer** January 2021 - Current

Climate LLC, 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

* Use 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 in Java, Maven, Docker, and libraries to maintain a Netflix-like backend architecture

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

Climate LLC, 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
* 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**

* **Advanced Programming Languages:** C++, Assembly, Java, Typescript, Python3, HTML, CSS
* **Software:** PostgreSQL, Django, React, AWS, Git, Linux, Docker
* **Concepts:** Statistics, Data Structures, Algorithms, ML, AI, Databases, Operating Systems