

Matthew Morales

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EDUCATION

B.S. in Computer Science

Expected Graduation Date: Dec 2022

University of California, Davis

GPA: 3.30

Relevant Coursework: Object-Oriented Programming, Computer Assembly, Computer Architecture, Data Structures, Design and Analysis of Algorithms, Computer Networks, Web Programming, Machine Learning, DevOps

SKILLS

- **Languages:** Python, C++, Scala, HTML, Javascript, CSS, Java, Haskell, Prolog
- **Frameworks/Libraries:** React, Node.js/Express.js
- **Technologies:** Google Cloud, Git, Linux/Unix, Vim, MySQL, BigQuery, Hadoop

EXPERIENCE

Software Engineering Intern

Jun 2022-Sept

2022

Twitter San Francisco, CA

- Worked and collaborated with Twitter's BirdEye team as a part of their unified effort to provide Twitter developers a single-pane, modifiable view of critical reliability metrics (e.g. the failure rates of essential Twitter services during deployment).
- Designed and implemented **Scala** (scalding) jobs for **MySQL** tables to migrate important data from Twitter's on-premise warehouse to **Hadoop**. A data pipeline from **Hadoop** is then set up to **BigQuery** and **Google Cloud**. This bidirectional pipeline gives developers a serverless, highly scalable, and cost-effective method to store and access the data for visualization purposes, while ensuring data stays up-to-date.
- Verified that all personal data was **encrypted** and **secure** by following the S2S compliance process.
- Created and demoed a **Looker** dashboard using the migrated data from **BigQuery**. The dashboard contains custom calculations to demonstrate scalability of the dashboard for analysis purposes. Developers at Twitter can save and modify this dashboard based on business needs.

Career Prep Fellow (Software Engineering)

Mar 2021-Nov 2021

Uber San Francisco, CA

- Attended a year-long training program involving technical interviews, 1:1 mentorship with Uber software engineers, communication, self-marketing, and exploring engineering subfields.
- Actively participated and thrived in workshops simulating high-risk scenarios in the industry (such as high-risk situations), practicing and demonstrating the most appropriate approaches to handling conflict.

Computer Science Summer Institute

July 2018 - August 2018

Google Sunnyvale, CA

- Learned and implemented **HTML/CSS** to create a minimalistic front-end web design in the span of 3 weeks.
- Collaborated with a **Scrum** team to design a web application that was presented and demoed in front of other students and Google employees.

PROJECT(S)

Fitness Log

- Implemented **HTML**, **Javascript**, and **CSS** for the front end of a web application that tracks a user's history of workouts and allows users to create reminders of future activities.
- Used **MySQL** databases in the backend to store individual data per user.
- Paired **Node.js/Express.js** in the backend to facilitate reminders of future workouts through **HTTP/AJAX** requests that communicate with the database.