Genevieve Del Prete

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Education

University of California, Berkeley
Berkeley, CA | August 2017 – May 2021
B.A. in Computer Science, Minor in Data Science
Technical GPA: 3.60/Overall GPA: 3.70

Girls Who Code
San Francisco, CA | June – August 2015
Summer Immersion Program @ Twitter

Skills

Languages

Python
Java
HTML
CSS
SQL
Javascript
Go
C
Pandas

Tools

Git
Apache Airflow
Adobe XD

Experience

Regulatory Reporting Intern @ Lyft
San Francisco, CA | June – August 2019
- Automated data report workflows in Python and Apache Airflow to streamline manual data reporting processes.
- Designed Python/Pandas scripts to improve and simplify internal data reporting processes and wrote SQL queries to pull data for ad hoc requests from regulators all over the country.
- Created an entity relationship diagram (ERD) that visualizes the relationships between high use data tables.

Projects

End-to-End Encrypted File Sharing System
UC Berkeley | March 2020
- Designed the backend of a stateless file sharing client in Go and implemented file storage, loading, sharing, and revocation functionalities.
- Utilized symmetric and public key encryption, digital signatures, HMACs, and hash functions to provide confidentiality and integrity against a malicious data storage server and adversarial users.

Data Report Automation
Lyft | July – August 2019
- Wrote a Python program that pulls raw data for a report using Hive, validates and formats the report in Pandas, and sends the report to a secure digital storage location for regulators.
- Designed a directed acyclic graph (DAG) in Python to build automated workflows and schedule recurring runs of the data report Python program in Apache Airflow.

Graph Package with GNU Make and GPS Clients
UC Berkeley | November 2018
- Implemented a graph package in Java that builds directed graph representations of data and its dependencies.
- Built two clients for the package: a GNU Make client that builds dependencies in the required order, and a GPS client similar to Google maps that finds the shortest path from location A to B.

Leadership

Family Head @ AFX Dance
UC Berkeley | January – May 2019
- Organized social events, extra practices, and logistics for my "family" of ten members from my fifty-person urban dance team.

Team Leader @ Galileo Learning Summer Camp
San Francisco, CA | June – August 2018
- Supervised a team of twenty first and second graders while establishing a fun team identity.
- Assisted my campers in science, art, and outdoors classes while maintaining an engaging and collaborative learning environment.