Olivia Qin

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EDUCATION

University of California, Berkeley   Berkeley, CA
Bachelor of Arts in Computer Science and Data Science   *Aug. 2018 – May 2022*

EXPERIENCE

Datadog   New York, NY
Data Engineer I   *August 2022 - Present*
- Migrated traditional ETL based solutions in spark and S3 to a new ELT based architecture using Airbyte and dbt. Decreased load time for pipelines extracting data from third party APIs to Snowflake from minutes to seconds.
- Scaled data platform horizontally to increase data platform throughput by two. Presented on the experience with wider data & analytics organization.
- Designed and set up a staging environment for our data platform in kubernetes used by 15+ data analysts and engineers daily to test data pipeline changes. Decreased number of operational and pipeline wide incidents to zero. Led team discussions throughout the implementation and design phase.
- Automated SCD2 for 17 Salesforce datasets allowing for sales teams to create reports and dashboards.
- Improved internal dataset metadata lineage by creating a python script to track data freshness, sources, and statistics.

Software Engineer Intern   *August 2021 - December 2021*
- Increased efficiency of data transformation in Spark pipelines using Scala.
- Created a pipeline to extract Google sheets data into Snowflake.

Software Engineer Intern   Jan. 2020 – May 2021
Qualtrics   *Seattle, WA*
- Created REST API endpoints in the backend and a python script to facilitate database migration. Created the foundation for the project completed in January 2022 that reduced database maintenance for team to zero.

Data Science Teaching Assistant   Jan. 2020 – May 2021
University of California, Berkeley   *Berkeley, CA*
- Led small groups of 20 students for weekly discussions. Organized review sessions using slides to teach data science concepts such as bootstrap, PCA, and regression.

PROJECTS

Simple Water | *Python, Pandas, Jupyter Notebook,*   September 2020 – December 2020
- Worked with client SimpleWater as part of a data science consulting club to analyze and track inconsistencies in water quality in California. Presented a coherent strategy using data analysis to client.

ORGANIZATIONS

CodeNation Volunteer | New York, NY   February 2024 – Present
- Work as a volunteer teaching computer science for an under-resourced local middle school.

Rewriting the Code Mentor | New York, NY   January 2024 – Present
- Actively engage in the women in tech community in NYC to mentor members in professional development.

TECHNICAL SKILLS

Languages: Python, SQL, Jinja, JavaScript, HTML/CSS, Scala
Frameworks: Kubernetes, Snowflake, Kafka, Airbyte, Temporal, Data Build Tool (DBT), traditional ETL (Extract-Transform-Load) pipelines, ELT (Extract-Load-Transform) pipelines, Terraform, Postgres, BigQuery, Spark
Developer Tools: Git, Docker, Jupyter Notebook, Amazon Web Services, Google Cloud Platform, Azure, VS Code, Visual Studio, IntelliJ, Excalidraw
Libraries: Pandas, Numpy, Scikit, Seaborn
Skills: Documentation, Systems Design, Public Speaking