

Tian (Lana) Qi

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EXPERIENCE

Frontend Software Engineer

Jan. 2025 – Present

[6th Sense Health](#) (AI Healthcare startup)
San Francisco, CA

- Developed and maintained a responsive healthcare web application using **React**, **Next.js**, and **TypeScript**, styled with **Tailwind CSS** for modern UI consistency.
- Integrated **RESTful APIs** in collaboration with the backend team to enable secure user authentication and seamless real-time data retrieval.
- Implemented a role-based access control system, enhancing platform security and flexibility.

Data Scientist

Jan. 2024 – Aug. 2024

[Taelor](#) (Fashion E-Commerce startup)
Hayward, CA

- Developed **dbt** models and **ELT pipelines** in **BigQuery** data warehouse, supporting business intelligence for marketing and product strategy.
- Implement website tracking via **Google Analytics** and Tag Manager, optimizing the conversion funnel.
- Designed weekly dashboards in **Looker Studio** to monitor social media performance.

R&D Data Scientist

Sep. 2021 – Jun. 2023

[Sonova USA Inc.](#) (Medical Device)
Fremont, CA

- Developed an internal web application using Python **Dash** to present results of clinical studies through interactive visualizations. Deployed the tool on **Heroku** for easy access and sharing across teams.
- Streamlined data processing with a data **pipeline** to automate data acquisition, cleaning, and integration, reducing manual work by 80%.
- Automated reporting using **Tableau**, supporting data-driven decision-making for stakeholders.
- Conducted advanced **NLP** and **EHR** data analysis using **SQL** and **Python** on over 1M records from **Salesforce** CRM Analytics, resulting in a 20% increase in subscriptions.
- Engineered and maintained the **Zelta** (IBM Clinical Development) EDC platform to digitize clinical data workflows, replacing paper-based processes with a scalable system with improved data integrity.
- Collaborated cross-functionally to support design iteration by conducting **statistical analysis**.

Data Scientist

Feb. 2021 – Aug. 2021

[Pacific Gas and Electric Company](#) (PG&E)
San Francisco, CA

- Prioritized inspections to proactively mitigate asset failure by predicting power outages with a **Random Forest** model. Achieved 80% balanced accuracy on highly imbalanced datasets.
- Extracted and transformed large-scale datasets from **Amazon Redshift** using **SQL**.
- Designed and implemented end-to-end data cleaning and machine learning workflows in **Palantir Foundry**, improving model reproducibility and collaboration.

Full Stack Engineer

Sep. 2020 – Aug. 2021

[SF CityWatch](#)
San Francisco, CA

- Led a 7-person dev team to develop a public-facing web platform with crime maps and dashboards.
- Designed a responsive and user-friendly front end using **HTML**, **CSS**, **Flask**, and **Bootstrap**.
- Built an **ETL pipeline** to transform data from an **AWS S3** bucket to RDS using **Python** and **SQL**.
- Containerized the application and development workflows with **Docker**, ensuring consistency.

EDUCATION

M.S. in Computer Science, Sofia University; *GPA: 3.96/4*

Expected 2027

M.S. in Data Science, University of San Francisco; *GPA: 3.8/4*

Aug. 2021

B.A. in Communication, University of Colorado Denver; *GPA: 3.95/4*

May 2018

SKILLS

- Languages: Python, SAS, R, JavaScript, TypeScript, Shell Scripting (bash, zsh)
- Frameworks: React, Flask, Apache Spark, dbt
- Web Development: HTML, CSS, Tailwind CSS, Jinja2, Bootstrap, Heroku
- Databases: Relational Database (PostgreSQL, MySQL, SQL Server), NoSQL (MongoDB)
- Cloud & DevOps: AWS (S3, Sagemaker, Redshift, EC2, EMR, RDS), GCP, Docker
- Tools: Git/Github, Tableau, Power BI, Looker Studio, Confluence, Jira, Adobe Analytics, Zelta