

ELMER CAMARGO – DATA SCIENTIST

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PROFESSIONAL SUMMARY

As a data scientist with a focus on healthcare, I specialize in collaborating with public health stakeholders in creating end to end data systems. I am passionate about leveraging software and data science best practices to improve healthcare outcomes, guide strategy, and communicate complexity.

RELEVANT EXPERIENCE

LA County Department of Public Health – Los Angeles, CA **2021 – Present**
Data Scientist

- Collaborated with epidemiological teams to develop and maintain interactive data visualizations using JavaScript for the LA County COVID19 dashboard website referenced by state governments, city governments, health departments, and national news agencies
- Programmed vaccination data pipelines for division, department, and countywide stakeholders using Python, Linux, Snowflake, and Postgres and developed tooling to strengthen departmental capacity
- Optimized data processes by restructuring portions of system architecture to improve record retrieval and reduce costs for 3rd party APIs
- Created an internal REST API for users to explore, interpret, and verify data quality assurance practices

City of Los Angeles I-Team – Los Angeles, CA **2021**
Data Scientist

- Developed an internal COVID19 dashboard for the mayor's office tracking cases, hospitalizations, deaths, and vaccination trends in relation to key timelines provided by the Notify LA Program used in emergency broadcasting
- Collaborated with LA County Department of Public Health stakeholders to provide a geospatial clustering analysis using contact tracing data to classify locations of disease outbreak and support decision making on where to prioritize sending financial incentivized surveys

Chapman University: Dr. Hersh & Dr. Douglass Research Labs – Orange, CA **2019 – 2021**
Research Assistant

- Drafted findings from regression analysis for two distinct projects 1) world bank sustainable development goals and 2) South LA crime around alcohol, tobacco, and marijuana outlets

Northrop Grumman – Palmdale, CA **2019**
Software Engineer

- Implemented software unit tests in C++ using the google testing framework to identify flight simulation software defects, validate code reliability, and contribute to the stability of CI/CD pipelines enabling faster and safer delivery of features

EDUCATION

University of Southern California, Viterbi School of Engineering – Los Angeles, CA **Dec 2024**
Master of Science, Industrial and Systems Engineering

University of Southern California, Marshall School of Business – Los Angeles, CA **Dec 2024**
Master of Business Administration (STEM)

Chapman University, Fowler School of Engineering – Orange, CA **February 2021**
Bachelor of Science, Data Analytics