

ELMER CAMARGO

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TECHNICAL SKILLS: Python, SQL, R, JS, ML, Git, Vim, Linux, Docker, Quarto, CI/CD, GIS, FastAPI

RELEVANT EXPERIENCE

LA County Department of Public Health – Los Angeles, CA

2021 – Present

Senior Data Scientist

- Led the end-to-end development of mission critical vaccination **data pipelines** from requirements planning, deployment, and reporting to department and countywide stakeholders
- Drove cross-functional collaboration with epidemiology teams to deliver LA County disease immunizations **data dashboards**, key resources for governments and media outlets
- Acquired and setup technical resources for development and deployment of **API-based products** to downstream teams enhancing efficiency across multiple codebases and projects
- Executed an architecture change initiative to remedy costly **data modeling** deficiencies and improve maintainability and development speed resulting in significant operational savings
- Involved in deployment of **GLM** and **NLP** models and communicated benefits of model adoption and necessity to remove manual and costly processes

Chapman University Research Labs – Orange, CA

2019 – 2021

Paid Full Time Economics Researcher + Public Health Researcher

- Worked at 2 independent labs in the economics department and the health department
- Modeled **VIIRS** and **SAR** satellite data as proxy variables for quality of life and flood risk in the Sahel region of Africa in support of a World Bank funded project using **Python** and **JS**
- Drafted findings from **regression analysis** and **ANOVA** for describing the relationship between crime in proximity to alcohol, tobacco, and marijuana outlets in South LA

Northrop Grumman – Palmdale, CA

2019

Software Engineer Intern

- Implemented software unit tests in **C++** to identify flight simulation software defects and contribute to the stability of **CI/CD** pipelines enabling faster and safer delivery of features

United States Marine Corps – San Diego, CA

2012 - 2017

Data Collection Manager

- Managed **ground sensor**, **unmanned aerial vehicle (UAV)**, and **satellite** data collection resources
- Collaborated with stakeholders to refine **priority information requests** avoiding unnecessary expenditures on redundant or low priority data collection

EDUCATION

University of Southern California, Viterbi School of Engineering – Los Angeles, CA

Dec 2024

Master of Science, 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