Elmer Camargo

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

PROFESSIONAL EXPERIENCE

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

- Drove cross-functional collaboration with epidemiology teams to define technical requirements used to deliver the LA County COVID-19 data dashboard, a key resource for governments and media outlets
- Led the end-to-end development of mission critical vaccination data pipelines and KPI reporting infrastructure delivering insights to department and countywide stakeholders
- Acquired technical resources to deploy internal products to downstream teams enhancing team efficiency across multiple codebases and overall impact among related projects
- Identified data modeling deficiencies and executed an architecture change initiative, restructuring processes to improve record retrieval times and reduce external API costs resulting in significant operational savings

City of Los Angeles, Mayor's Office | **Los Angeles, CA**
Data Scientist | **Dec 2020 – Apr 2021**

- Collaborated with public health workers to provide a clustering analysis used in prioritizing sending financial incentivized surveys to residents involved in disease outbreak
- Developed an internal COVID19 dashboard for the tracking cases, hospitalizations, deaths, and vaccination trends in relation to key timelines provided by the Notify LA Program used in emergency broadcasting

Chapman University | **Orange, CA**
Researcher | **Aug 2019 – Dec 2020**

- Drafted findings from regression analysis and analysis of variance for describing the relationship between crime in proximity to alcohol, tobacco, and marijuana outlets in South LA

Northrop Grumman | **Palmdale, CA**
Software Engineer | **May 2019 – Aug 2019**

- Implemented software unit tests in C++ using 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

United State Marine Corps | **San Diego, CA**
Data Collection Manager | **Oct 2012 – Jul 2017**

- Managed aerial vehicle and satellite data collection resources and collaborated with stakeholders to refine priority information requests avoiding unnecessary expenditures on redundant or low-priority data collection

EDUCATION

University of Southern California | **Los Angeles, California**
Master of Science, Systems Engineering | **Dec 2024**

University of Southern California | **Los Angeles, California**
Master of Business Administration (STEM) | **Dec 2024**

Chapman University | **Orange, California**
Bachelor of Science, Data Analytics | **Feb 2021**