

# ELMER CAMARGO

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## **GEOSPATIAL + SOFTWARE ANALYST**

Five years of experience in researching, reviewing, refining, and evaluating requirements and information gaps to develop operational action plans. Effective in communicating and interpreting both business and technical specifications and vice versa between customers and development teams. Additional 4 years of experience in business startup and project management and comfortable working with teams, building forecasts, budgets, trend and patterns reports, presentations, surveys, and geospatial business analysis.

### **Geospatial Analyst, Health and Space Lab**

Aug 2019 - Current

Los Angeles County, California

Gathered, cleaned, reviewed and mapped geospatial data for federally funded research projects focused on analyzing the relationship and effects that tobacco shops, liquor stores, and marijuana dispensaries have on crime and public health in South Los Angeles.

- Created a reusable Python web scraping tool to collect JSON formatted geospatial data from Weedmaps API, Google Maps API, and Yelp API that reduced time spent manually gathering data.
- Created a reusable R script to clean, geocode, and spatially join data for ANOVA testing and cross validation machine learning techniques.

### **Software-Engineer Intern, Northrop Grumman**

10-Week Program, Jun - Aug 2019

Los Angeles County, California

Developed, modified, and maintained proprietary software in support of an open mission system architecture used to enable customers to configure a pilot instructor-student trainer environment by simulating air vehicle and ground station components.

- Implemented software unit tests in C++ using the Google Testing Framework for source files to track and detail project success and failure rates. Files being tested ranged from establishing UDP and TCP server connections, linking libraries, and bit manipulation.
- Created a remote input output (RIO) channel used by the simulated vehicle management system to turn on an aircraft's auxiliary power unit (APU) and signal engine ready status using C++ and Python.

### **C4ISR Collections + Process Manager, 3<sup>rd</sup> Intelligence Battalion + III MEF**

2015 to 2017

Okinawa, Japan

Managed the use of organizational satellite-air-ground data collection resources by validating and processing customer collection requests within the Asia-PACOM region. Customer service ranged from issue development, requirement building consultations, and working with technical teams to construct customer collection feeds.

- Worked on an 8-person geospatial technical team utilizing Agile-Scrum project management techniques to schedule and satisfy collection requests for the Marine Pacific detachment consisting of 35,000 to 55,000 personnel.
- Conducted customer interviews to develop story tasks and expectations used to construct collection plans that fed into over 100 validated and satisfied geospatial products.
- Served as a mediator at over 200 meetings between customers and third-party technical teams to establish transparent relationships that allowed for comfortable and structured communication between all parties.

**Intelligence Analyst, 3<sup>rd</sup> Intelligence Battalion**

2012 to 2015

Okinawa, Japan

Responsible for updating the regional executive officer about changes in the operational area of 36 countries with a focus in maritime affairs and creating operational products and presentations to accurately describe changes within geospatial environments.

- Briefed weekly presentations to executive staff of changes in the operational environment and monthly forecasts for potential issues within the tactical and strategic environment.

**Co-Founder + Project Manager, Table 87**

2012 to 2016

Orange County, California

Created, funded, and managed a startup business in the music and event industry. Led team event planning sessions, balanced budgets, tracked internal requirements, customer trends analysis, and delegated operational requirements to management teams for event execution.

- Recruited and managed 12 employees to work for a startup that was mentioned in the Orange County Register and the Santanero Zine and described as a “culture incubator”.

**Chapman University**

Expected Graduation Date: 06/2020

Orange County, California

Bachelors of Science in Data Analytics - 3.1 GPA

**Technical Skills + Certifications**

TS//SCI Clearance (Expired), ArcMap + ArcPy, USPACOM Critical Thinking and Structured Analytical Techniques Certification, Git, Python, Java, C++, R, Geospatial Information Management System Certification, Lean Six Sigma Yellow Belt, USMC Financial Management Certification, Trello Project Management, Coggle Visualizations, Microsoft Office, DOD Intelligence and Effective Writing Certification, Microsoft Visual Studio, Atlassian Development Toolset