



# Ryan Little



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Geospatial professional with 3 years of work experience in high-volume GIS production and data maintenance. Specialist in geodatabase editing, conflation, and quality control for government contracts. Proven ability to maintain data integrity under strict deadlines while utilizing Python and R for specialized spatial analysis projects.

## Experience

### Quality Control Geospatial Analyst CACI, Inc

Fort Collins, CO - Remote  
Jan 2023 - Present

- Perform systematic data validation and provide structured technical feedback to technicians to maintain high-fidelity geospatial deliverables.
- Led a mentorship group and a weekly social gathering to promote team engagement
- Identified and resolved workflow bottlenecks in data conflation processes, directly contributing to measurable increases in team production capacity.
- Regularly entrusted to complete time critical components of major project deliverables

### Co-Founder & CTO

### Little Hammer Labs, LLC

San Diego, CA  
Aug 2025 - Present

- Architected custom AI agent solutions for the hospitality and property management sectors using Python and OpenAI Whisper
- Deployed local LLM infrastructure for data privacy-conscious clients, managing full technical stack from development to delivery

## Education

### University of California, Santa Barbara

2018 - 2022

- Bachelor of Arts - Geography - 3.5 Major GPA
- Emphasis in GIS, concentration in Air Photos and Remote Sensing
- Relevant Coursework: Remote Sensing I, II & III, Intro to GIS, Technical GIS, Quantitative Geomorphology, Intro to Meteorology, Intro to Computer Science

## Projects

### Temporal NDVI Study of Man-Made Forests in Combating Desertification in North-Central China

- Conducted a comprehensive term poster project investigating China's Great Green Wall program to track land use changes, assess new forest health, and analyze weather changes in the Gobi Desert from 2000 to 2022
- Employed custom R code to process Landsat imagery into NDVI data from key research zones in order to derive forest growth areas and relative health of the forests
- Graphed NDVI change and presented results by mapping study zones in ArcGIS Pro, and found the project moderately successful

### Study of Native California Bird Habitat Area Being Lost to Wildfire

- Compiled a decade by decade analysis of wildfire damage to the habitats of the California Condor and Great Gray Owl
- Took the CalFIRE historic fire database from 1900-present and color-coded each fire area by decade and clipped the results to the boundaries of the known habitats of both birds of study
- Found that wildfires have grown in size decade over decade in California and the last 40 years have been the most impactful on the habitats of the two species studied

## Skills

### Programming

- Python
- R and RStudio
- SQL
- Mosel
- HTML & CSS

### Tools

- ArcGIS Pro
- ArcMap
- ArcGIS Online
- QGIS
- Microsoft Office Suite

### GIS Proficiencies

- Remote Sensing
- Spatial Databases
- Spatial Analysis
- Data Visualization
- Quality Control/Assurance

## Additional

**Soft Skills:** Communication, problem-solving, attention to detail, flexibility

**Interests:** Hiking, soccer, web development, server administration, building computers, traveling