

# Guillermo Romero

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## EDUCATION

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**Master of Environmental Data Science**, 4.00 GPA (Expected June 2023)

**Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)**

Highlighted Coursework: Machine Learning in Environmental Science, Databases and Data Management, Modeling Environmental Systems, Statistics for Environmental Data Science

(All to be completed by June 2023)

**Bachelor of Science in Earth Science**, 3.52 GPA (June 2022)

**Bachelor of Art in Geography**, 3.52 GPA (June 2022)

**UCSB**, Santa Barbara, CA

Honors/Awards: UCSB Scholarship, Outstanding Achievement in the Geography Major

Highlighted Coursework:

Remote Sensing- Advanced image processing, including data fusion and resampling techniques, atmospheric corrections, global navigation satellite systems, and hyperspatial sensors with emphasis on applications

Ocean Remote Sensing- Physical principles and tools required for processing active and passive remote sensing data for coastal and ocean applications. Topics include remote sensing of phytoplankton, sea surface temperature, ocean winds and currents, and sea ice. Lab includes optical, thermal infrared, passive microwave, and radar data analysis

## SKILLS

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**Languages:** Spanish, R (tidyverse), Python (Pandas, Scipy), Markdown, SQL, MATLAB

**Environments:** RStudio, Quarto, ArcPro, Qgis, Vscode, Jupyter Lab

**Technical:** Exploratory Data Analysis, Data Visualization, Machine Learning

## PROJECTS

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**ANALYZING GREENNESS THROUGH NDVI IN REDLINED AREAS IN PHILADELPHIA, PA (4/22–6/22)**

**Undergraduate Poster Presentation** Role: Team Lead

- Pre-processing (crop, mask, reclassify, NDVI calculation) of Landsat 8 OLI satellite data through Rstudio
- Qgis processing of NDVI raster calculations, zonal statistics and write memory function.
- Exploratory data analysis of U.S. Census median income data, NDVI data, and HOCL Redline data combined and processed through RStudio, Qgis and Excel.

## Logistics Experience

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**General Warehouse Worker – Best Buy**, Los Angeles, CA (9/18/-9/21)

- Ensures daily home deliveries for all Southern California locations are correctly loaded.
- Safeguard that defective and returned products are accurately processed and prepped for relocation.
- Routes orders by locating the specified product and moving it to the loading dock

**SWAT Inventory Specialist – Best Buy**, Los Angeles, CA (5/2010 – 11/2015)

- Responsible for counting assigned product counts, entering counts into RSS, researching variances, and reporting discrepancies to management. Oversaw and prepared for annual physical inventory and assisted in post physical inventory reconciliation.
- Supported senior management by delivering reports outlining performance to drive process improvements.
- Coached employees around shrink trends and behaviors by communicating and coaching store employees and leadership on the importance of inventory integrity and any identified process gaps