

Anthony Luna

anthony@anthonyluna.co | (707) 340-3721 | anthonyluna.co | Santa Barbara, CA

Experienced data scientist and entrepreneur with deep roots in environmental science.

EDUCATION

Master of Environmental Science and Management (June 2021)

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

Specializations: Eco-Entrepreneurship and Pollution Prevention and Remediation.

Fellowships: Eco-E Research Fellowship (\$2,500) & Eco-E Internship Fellowship (\$1,500).

University of Kent, Canterbury, UK (2014)

Bachelor of Science with Honors in Mathematics (Upper Second-Class Honors)

Thesis: An Exposition of the Mathematics of Juggling

MASTER'S ECO-ENTREPRENEURSHIP PROJECT

Data Manager - Rubbish, Bren School, UCSB (03/20—06/21)

- Developed a social enterprise that incentivized food waste reduction through a pay-by-weight billing model.
- Conducted and synthesized +70 interviews with food system stakeholders driving our business strategy.
- Co-authored 3 literature reviews and 5 technical briefs on environmental impacts of different resource recovery strategies; green supply chain logistics; and fertilization and carbon sequestration in agriculture.
- Designed and implemented a bilingual survey with Qualtrics and R that studied pro-environmental behavior and customer preferences to identify new customer behavior change opportunities.
- Designed and managed a carbon footprint reduction strategy for a small grocery store using real utility data.

DATA SCIENCE EXPERIENCE

Anthony Luna LLC, Consultant, Remote (02/24—Present)

- Designed and implemented outreach tool for an edible food recovery organization serving 40 jurisdictions across California, thereby streamlining collaboration and enabling a culture of self-serve analytics.
- Built data pipelines using Python to transform disparate data into a unified database and collaboration tool.

Routeware Global, Remote

Senior Software Engineer (04/23—02/24)

- Facilitated product engineering team integration following company acquisition resulting in effective and timely transfer of critical knowledge to adjacent engineering and product teams.

Lead Product Developer (12/22—04/23)

- Designed and developed customer success data pipeline and report that provided key results of usage data to align customer success efforts with product level to company level objectives.
- Implemented data monitoring and internal communication framework reducing production bugs by 90%.
- Recruited, trained, and mentored a team of three junior engineers.

Product Engineer (07/21—12/22)

- Served as the company's first Product Engineer, establishing standards, procedures, and team culture.
- Developed 10 new features in first 5 months to meet California food waste reduction regulation deadline.

COPE Health Solutions, Business Analyst, Los Angeles, CA (09/16—01/18)

- Developed T-SQL data pipeline and Tableau dashboard for population health data from 4 insurers, 2 million rows of data, and +150k patients resulting in essential metrics of preliminary data processing.
- Designed and compiled reference table with codes from 20+ sources that drove company wide data analytics.

Red Barn Market, Inventory Control Specialist, Ventura, CA (07/14—12/15)

- Upgraded meta-data collection protocols for +15k products, improving data consistency and quality.
- Developed Python data pipeline transforming customer transaction data into an actionable SQLite database.

ADDITIONAL RESEARCH EXPERIENCE

Bottle Bounty, *Founding Market Researcher*, Santa Rosa, CA (08/24—01/25)

Self-directed research of nascent market in the bottle reuse space; Interviewed over 30 stakeholders in the recycling and wine industry to assess opportunities and barriers to wine bottle reuse in California;

White Buffalo Land Trust, *Staff Research Intern*, Santa Barbara, CA (06/20—08/20)

Developed Theory of Change infographic to illustrate environmental impacts of holistic grazing practices on local landscapes and food systems; Established experimental sampling protocols for ongoing and planned programs.

University of California Cooperative Extension, *Staff Research Associate*, Ventura, CA (05/19—07/21)

Built data pipelines, visualization, and analysis for live agricultural data from dozens of experiments using a R, Excel, and QGIS; Developed a tool using R Shiny App platform to help farmers improve irrigation efficiency.

LEADERSHIP AND PUBLIC SPEAKING EXPERIENCE

Eco-Entrepreneurship Mentor—Bren School of Environmental Science & Management (04/25—Present)

Served as a mentor for the Eco-Entrepreneurship Project, guiding a team of graduate students in developing a data-driven business model to reduce medical waste; Provided ongoing feedback to enhance project outcomes.

“Ready, Set, Compliance Evaluations!”—SWANA WRS 2023 (4/5/23)

Presented to audience of 100+ covering environmental motivations for SB 1383, the purpose and utility of the legally required implementation record, and recommendations on keeping the implementation record current.

Peer Learning Group Facilitator—Recyclist (06/22—06/23)

Under direction of leadership consultant, developed the leadership capacity of group of 6 coworkers by teaching and practicing concepts of skillful inquiry, observation, empathy, and psychological safety; Facilitated structured case presentations allowing participants to receive feedback on interpersonal challenges.

Dean’s Advisory Committee Chair—Bren School of Environmental Science & Management (10/19—06/21)

Represented body of 180+ graduate students with a committee of 6 chairs requiring tactful communication while navigating statewide COLA protests, the COVID-19 Pandemic, and proposed tuition increases.

Teaching Assistant and Guest Lecturer—Managing Technology Organizations, UCSB (09/20—06/21)

Served as teaching assistant for 3 classes of 40+ undergraduate students; Gave quarterly guest lecture on the topic of corporate environmental management, outlining the opportunities and challenges in this space.

Teaching Assistant and Reader—Technology Management Department, UCSB (09/19—06/20)

Served as grader for 5 graduate level classes ranging from 20-50 students on topics including Project Management, Human Capital, Marketing Fundamentals, Decision Analysis, and Managing for Innovation.

SKILLS AND ACTIVITIES

Computer: Excel, Tableau, MS SQL Server, PostgreSQL, Airtable, git, R, tidyverse, Python, Jupyter Notebooks

Leadership: Peer learning group lead at Routeware (2022-2024); Deans Advisory Council Co-Chair at the Bren School at UCSB (2019-2021); President of the Circus Society at the University of Kent (2013–2014).