# OBEHI BENITO-OSEROGHO

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## PROFESSIONAL PROFILE

Mechanical Engineering student and UC Davis undergraduate research fellow with experience in environmental life-cycle assessment, GIS mapping, computational modeling, and Python-based data analysis. Skilled in analyzing environmental datasets, communicating technical findings, and supporting research related to sustainability and environmental protection. Combines professional and technical skills with project coordination, professional communication, and student leadership. Interested in applying engineering and analytical skills to mechanical engineering and community-serving projects.

## EDUCATION

**Sacramento City College** | Sacramento, CA

Associate of Science, Mechanical Engineering — In Progress | GPA: 3.7 | Highest Honors

## TECHNICAL SKILLS

**Engineering & Research** Vehicle life-cycle assessment, environmental impact modeling, research synthesis, technical literature review, technical documentation, model parameter evaluation

**Data & Programming** Python, SQL, C++, Microsoft Excel, data cleaning, exploratory data analysis, data visualization, basic statistical analysis

**Software & Tools** carculator (Python modeling framework), xarray, IBM Cognos Analytics, Microsoft Office; CAD specialization in progress; introductory GIS/spatial mapping concepts

**GIS & Environmental Analysis** ArcGIS Online, ArcGIS StoryMaps, CalEnviroScreen data analysis, spatial visualization, environmental burden mapping.

## RESEARCH EXPERIENCE

**UC Davis — Undergraduate Research Fellow** | Davis, CA | Summer 2026

*Vehicle Life-Cycle Assessment and Emissions Modeling using carculator*

- Investigated environmental impacts of passenger vehicles using the Python-based carculator life-cycle assessment framework, with emphasis on greenhouse-gas outcomes.
- Worked with vehicle and emissions datasets and model parameters to compare how input assumptions affect life-cycle results across vehicle technologies.
- Used Python-based analytical workflows to organize and evaluate model outputs; checked assumptions and results for consistency before communicating findings.
- Reviewed technical literature, maintained research notes and documentation, and discussed progress and technical questions with research supervisors.

**National Geographic Society & The Nature Conservancy — Conservation Extern** | *Remote* | *Fall 2026*

*Researched environmental pollution burdens and disparities across Sacramento communities using CalEnviroScreen data and geographic information systems (GIS).*

- Developed an interactive ArcGIS Online StoryMap incorporating multiple map views, Sidecar, and Swipe features to visualize and compare environmental conditions across communities.
- Analyzed and synthesized environmental data and research findings to highlight geographic disparities and inform discussions on environmental equity and targeted sustainability initiatives.

## SELECTED DATA ANALYSIS PROJECTS

**IBM Data Analyst Capstone** | Applied Analytics project

- Cleaned and analyzed datasets using Python, SQL, and Excel; performed exploratory analysis and developed visualizations and dashboards to communicate findings.

## PROFESSIONAL EXPERIENCE

**Crimmigration Inc. — Outreach & Social Media Manager** | Sacramento, CA | Nov 2024–Present

- Serve as a point of contact for clients through telephone, email, and in-person communication; explain documentation needs and maintain confidential electronic records.
- Draft professional correspondence, troubleshoot client and administrative issues, and coordinate concurrent outreach, records, and digital projects.
- Use analytics and performance data to evaluate digital outreach, adjust content strategy, and report results to support clearer public communication.

## STUDENT LEADERSHIP

**Sacramento City College — Secretary, Student Associated Council** | May 2026–Present

- Prepare and maintain official meeting agendas, minutes, reports, and organizational records, emphasizing accuracy and timely documentation.
- Coordinate information among student representatives, campus administrators, and other stakeholders to support meetings and student initiatives.
- Participated in student advocacy at Lobby Day and a statewide General Assembly representing the interests of the Los Rios student community.

## SELECTED DIGITAL & PROCESS IMPROVEMENT PROJECTS

**Website SEO & Search Visibility — Crimmigration Inc.** | Technical troubleshooting and analytics

- Investigated and resolved incomplete webpages, search-indexing problems, and a technical issue affecting the organization’s online visibility.
- Used Google Search Console, Google Business Profile, and analytics tools to assess performance, improve discoverability, and monitor website issues.

**Digital Growth & Content Analytics — Crimmigration Inc.** | Data-informed communication

- Analyzed audience engagement and publishing performance to refine content strategy; increased average Instagram Reel views from approximately 200 to 1,000+ per video.
- Coordinated research, scripting, production, publishing, and reporting across multiple platforms while balancing other operational responsibilities.

## CERTIFICATIONS, AWARDS & COMMUNITY INVOLVEMENT

**Certifications** IBM Data Analyst Professional Certificate; Helpline training completed through the California Partnership to End Domestic Violence

**Professional Development** Coursera CAD Specialization — In Progress

**Recognition** Steward Solnick Family Scholarship recipient; Highest Honors, Sacramento City College

**Volunteer Service** My Sister’s House — volunteer