

Sam Olivares-Mejia

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Education

Haverford College

Philadelphia, PA

BACHELORS IN ENVIRONMENTAL STUDIES WITH MINOR IN BIOLOGY

2018 → 2022

- Honors: Cum Laude Society, Maghill Rhodes Scholar, Center for Peace and Global Citizenship Fellow
- Relevant Coursework: Biology and Public Policy, Computing Through Biology, Decolonial Science Technology and Environment, Ecology, Ecological Modeling, Environment and Society, Global Change Biology, Intro to GIS/Environmental Analysis, Modeling and Policy Making, Research Methods and Statistics, Senior Thesis Research

University School of Nashville

Nashville, TN

HIGH SCHOOL DIPLOMA

2014 → 2018

Experience

Sonoran Desert Inventory & Monitoring Network

Tucson, AZ

DATA SCIENCE INTERN

June 2022 → Present

- Scientists in the Parks intern for the Southwest Network Collaboration Data Management Team as part of the National Park Service's Inventory and Monitoring Division that effectively manage decades worth of long term ecological data across various protocols.
- Researches the use of automated image processing in Python via JupyterNotebooks, geoprocessing in ArcPro, and remote sensing imagery to monitor dunefield stability and integrity at White Sands National Park.
- Writes reproducible code in R Statistical Language accompanied by detailed project documentation to automate quality checks, flagging, and data processing of vegetation plot data in preparation for publication on NPS' DataStore.
- Experienced in managing field map applications in NPS' ArcGIS Enterprise Portal in addition to other geospatial tools such as ModelBuilder, Story Maps, Survey123, Dashboards, and SQL.
- Develops curriculum as co-leader of SWNC's R Training series to expand and strengthen the use of data wrangling, data visualization, and functional programming within the network.

Bryn Mawr College Biology Department

Bryn Mawr, PA

STUDENT RESEARCHER

August 2021 → May 2022

- Student Researcher in the Record Computational Biology Lab at Bryn Mawr College specialized on collating land use disturbance histories within the National Ecological Observatory Network (NEON).
- Researched, collected, and standardized 59 spatial data products in R programming, pulling data from various public databases such as IRMA DataStore, Forest Service Geodata Clearinghouse, Land Treatment Data Library, and Geospatial Data Discovery.
- Digitized remote sensing imagery to categorize land use types across NEON sites using the National Land Cover Database land cover classifications which required working with different file types and using various geoprocessing and analysis techniques.
- Managed correspondence with data managers, principal investigators, and site managers at 32 sites within NEON and presented senior thesis research findings at Bryn Mawr College's biology department research symposium.

Harvard Forest Research Experience for Undergraduates in Ecology

Remote

STUDENT RESEARCHER

May 2021 → August 2022

- Selected as 2021 cohort member in Harvard Forest's Research Experience for Undergraduates in Ecology funded by the National Science Foundation as part of the 'Land Use History of National Ecological Observatory Network Sites' subgroup of the 'Land Use and Carbon Flux Forecasting' project.
- Created 15 spatial data products using R Programming and geoprocessing techniques in QGIS for the Bartlett Experimental Forest and Smithsonian Environmental Research Center.
- Received professional development training in topics such as the relevancy of geographic information science within the ecological community, project management and documentation skills, and education on the importance of ecological networks.

Warner Parks Nature Center

Nashville, TN

SEASONAL NATURALIST

May 2020 → August 2020

- Awarded fellowship from Haverford College's Center for Peace and Global citizenship to intern as a Seasonal Naturalist for the Warner Park Nature Center (WPNC).
- Compiled resources on diversity, equity, and inclusion highly influenced by Dorceta E Taylor's research on DEI in environmental organizations to increase DEI practices within the WPNC.
- Translated nature center brochures and interpretive programming from English to Spanish to increase accessibility to Spanish speaking communities within the parks.
- Entered long term ecological data and assisted bird banding for the Bird Information Research and Data Program.

Radnor to River

Remote | Nashville, TN

CONSERVATION INTERN

May 2020 -> August 2020

- Awarded fellowship from Haverford College's Center for Peace and Global citizenship to intern as an intern for Radnor To River, an environmental conservation non profit.
- Established database of environmental organizations within the greater Nashville area in order to support collaboration within conservation efforts, managing correspondence with organization contacts across the city.
- Developed iNaturalist project to promote citizen science efforts and monitor invasive species to ground truth remote sensing data.

Haverford College Office of Admissions

Ardmore, PA

ACCESS AND DIVERSITY INTERN | ADMISSIONS OFFICE FELLOW | STUDENT ADMISSIONS ADVISORY COMMITTEE MEMBER

August 2019 -> May 2022

- Represented Haverford College by leading campus tours, hosting panels, and engaging in 1:1 conversations with prospective students and families
- Appointed to Student Admissions Advisory Committee responsible for the hiring and training of new Admissions Fellows
- Organized and facilitated campus fly-in programs for prospective students from traditionally underrepresented groups in higher education.

Leadership

Pulso Latino Dance Troupe

Haverford College

PRESIDENT | SENIOR ADVISOR | BI-COLLEGE REPRESENTATIVE

2019 -> 2022

- Elected in various board member positions for three consecutive years with experience moderating group discussions, maintaining detailed project documentation, and scheduling group events.
- Helped coordinate three showcases which required managing correspondence between multiple college organizations to manage social media, rehearsals, and show logistics for 50+ dancers.

Alliance of Latin American Students

Haverford College

BOARD MEMBER | SENIOR ADVISOR

2019 -> 2022

- Served on the board for the Alliance of Latin American Students for three consecutive years to coordinate cultural events, coordinate budgets, and disseminate organizational information to foster an inclusive community on campus.
- Helped to establish the Latinx Cultural Center at Haverford College which required frequent meetings and formal correspondence between college administration and student leaders.

Committee for Environmental Responsibility

Haverford College

MEMBER OF WASTE SUBGROUP

2018 -> 2020

- Developed programming surrounding environmental advocacy by corresponding and coordinating with various student groups and organizations, and served as 'Green Squirrel' representative to disseminate campus wide initiatives to dorm residents.

Environmental Community House

Haverford College

PRESIDENT

2020 -> 2021

- Elected Co-President for the environmental resident community house to organize budgets, programming, and events for up to 50 students on a monthly basis.

Additional Volunteer and Leadership Roles

Haverford College

RESIDENTIAL ADVISOR | STUDENT COUNCIL OFFICER OF MULTICULTURALISM | HAVERFARM VOLUNTEER | MATH, ENGLISH, AND

SPANISH TUTOR

2018 -> 2022

- Served in leadership roles for various campus organizations with skills in event coordination, project management and documentation, budget development, campus-wide communication, and community engagement

Languages, Software, and Technology

ArcPro, StoryMap, Field Maps, Dashboards, Survey 123, Model Builder, R Statistical Language, Python, Jupyter Notebooks, RMarkdown, HTML, SQL, GitHub, QGIS, Leica RTK GNSS Receivers, Terrestrial Lidar Scanner, Zeno Connect/Mobile, Spanish

THIS RESUME WAS CREATED USING THE R PACKAGE VITAE AND ADAPTED FROM BRYAN JENK'S 'DATA DRIVEN CV'

References

Mark Isley | Data Manager at The Chihuahuan Desert Network

mark_isely@nps.gov

Sydne Record | Associate Professor of Landscape Conservation at The University of Maine

sydne.record@maine.edu