

# Kinga Bihari

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## EDUCATION

**University of California, Santa Barbara**

June 2024

**Environmental Studies, B.A.**

GPA **3.94**

- College of Letters & Sciences **Honors Program**
  - Coursework: **ArcGIS Pro, Statistics & Data Science (R), Data Wrangling & Visualization (R)**, Soil Science, Restoration & Conservation, Climate Mitigation, Ecosystem Biodiversity, Calculus, Linear Algebra, Ecology, Environmental Planning
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## LABORATORY EXPERIENCE

**Senior Thesis - Student Researcher**

September 2023 - Present

- Independently **design and execute study** on how carbon:nitrogen ratios in *Salicornia pacifica* affect decomposition rates
- Processed biomass samples & examine their carbon and nitrogen content using Elemental Analyzer
- Interpret data using statistical analyses in **R Studio** & publish findings

**California Agrivoltaics Suitability Project - Student Researcher**

September 2023 - Present

- Analyze **geospatial data** in **ArcGIS Pro** to assess suitable regions for integrating solar photovoltaics with existing agricultural land

**King Laboratory for Biogeochemical Research - Research Assistant**

April 2022 - Present

- **Organize** and format thousands of soil samples for analysis
- Conduct soil carbonate analysis to support carbon capture opportunities in restored wetlands
- **Collaborate** with peers on **Excel data analysis** to find and document trends within samples

**Landscape Ecophysiology & Function Lab - Research Assistant**

March - June 2023

- Created and edited raster and vector layers in **QGIS**

**Egregious Polluters Project - Research Assistant**

June - September 2022

- Assisted a socially-structured explanation of disproportionality in the production of pollution
- Analyzed Toxic Release Data & **quantitative data in Excel** to create profiles on polluting facilities
- Utilized **ArcGIS Pro** & other spatial planning software to create and interpret demographic maps

**GIS for Environmental Studies - Learning Assistant**

December - March 2024

- Facilitated instruction of 52 students in introductory ArcGIS Pro skills
  - Mentored group projects in data acquisition/management and geospatial analysis
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## FIELD RESEARCH EXPERIENCE

**The Nature Conservancy - Research Fellow**

June - September 2023

- Completed a comprehensive study including fieldwork, **report writing** and **statistical analysis** to identify potential biosecurity threats and evaluate detection strategies for the California Channel Islands
- Systemized 70,000+ collected images and **metadata in Timelapse and R**
- **Collaboratively** wrote 30 page report, including 50+ source **literature review**, for internal use in TNC policy
- Presented research at the California Islands Symposium, **publishing research** in peer-reviewed journal

**Channel Islands Restoration - Restoration Intern**

March - June 2023

- Improved ratio of native to non-native plant cover in San Marcos Foothills through **restoration**

**Balassi Scholarship Program (Budapest, Hungary) - Student Researcher**

September 2020 - June 2021

- Developed extensive sociological survey & analyzed environmental attitudes based on cultural backgrounds
  - Interpreted results with **detailed visualizations** and defended them to panel of professors
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## HONORS & AWARDS

- Pedrozzi Foundation Undergraduate Scholarship
- Balassi Foundation International Study Abroad Scholarship
- Manalis Scholarship for Undergraduate Research
- John and Ida Campbell Scholarship

Presented research at:

- California Islands Symposium
- Point Conception Institute Science Symposium
- Mantell Symposium in Environmental Justice and Conservation Innovation
- EEMB symposium
- URCA

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SKILLS & LANGUAGES

- Tools: **ArcGIS Pro**      **QGIS**      **Excel**      **R Studio**      familiar with **Python**      Timelapse
- Skills: **literature research**      **technical writing**      **data management**      leadership
- Languages: English      Hungarian      Spanish (basic)