

# Alex Vand

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## EDUCATION

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### Master of Environmental Data Science (June 2022)

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

Highlighted Coursework: Analytical Workflows & Scientific Reproducibility, Collaborative Analysis & Project Management, Data Storage & Management, Ethics & Bias, Geospatial Analysis, Machine Learning, Metadata Standards, Policy Evaluation, Statistics, Remote Sensing, Visualization & Communication

Leadership/Involvement: Capstone Committee Student Representative

### Bachelor of Science in Physical Geography (June 2020)

#### University of California, Santa Barbara (UCSB)

Highlighted Coursework: Climate Change, Environmental Hydrology, Geographical Data Analysis, Geographic Information Systems (GIS), Global Biogeochemistry, Oceanography, Physics, Urban Environment

Honors/Awards: Outstanding Achievement in Major, Second Place Capstone Project, Dean's Honors List

## MASTER'S CAPSTONE PROJECT

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### Assessing Potential Environmental Justice Implications of U.S. Food Production, (1/22-6/22)

Role: Data Analyst & Visualization Specialist Client: National Center for Ecological Analysis and Synthesis (NCEAS)

- Transformed, processed, and cleaned client datasets.
- Created maps and graphics to accurately convey findings to both general and professional audiences.
- Performed preliminary statistical analyses based on random forest regressions and correlation matrices.
- Documented an annotated workflow for future replication of research.

## LEADERSHIP & MANAGEMENT EXPERIENCE

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### Management Trainee – Expeditors, San Francisco, CA (6/15–5/16)

- Promoted to management training program after beginning as a temporary employee.
- Evaluated all departments to discover efficiencies and improve processes.
- Collaborated with the District Manager on several districtwide projects including:
  - Employee satisfaction and branch morale.
  - Recruitment and employee retention.
- Organized monthly branch meeting presentations for 300+ employees.
- Interviewed and trained new team members.
- Directed the Social Responsibility Team and Environmental Impact Team.

## TEACHING EXPERIENCE

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### Environmental Educator – Adventure Company, Santa Barbara, CA (7/22–Present)

- Led outdoor education programs at El Capitán State Beach and Channel Islands National Park.
- Guided tours focusing on sustainable stewardship, kayaking, hiking, camp skills, food preparation, evolutionary nocturnal adaptations.

### Teaching Assistant – University of California, Santa Barbara, CA (1/22–6/22)

- Statistics for Life Sciences (Department of Statistics and Applied Probability)
- Electricity & Magnetism (Department of Physics)

## SKILLS & QUALIFICATIONS

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**Programming Languages**: R, Python, SQL, Bash

**Computer Software**: RStudio, Jupyter Notebooks, ArcGIS, Microsoft Suite

**Languages**: Spanish

**Certifications**: U.S. Customs Broker License, Yoga Teacher Training, PADI Open Water & Advanced SCUBA Diving