ALEX CLIPPINGER

(860) 326-6795 | alexclippinger@bren.ucsb.edu | LinkedIn | Goleta, CA

EDUCATION

Master of Environmental Data Science, (Expected June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
Highlighted Coursework: Scientific Reproducibility, Metadata Analysis, Data Storage & Management

Bachelor of Science in Economics and Mathematics, 3.66 GPA (December 2019)
Northeastern University – Boston, MA
Minor: Business Administration
Involvement: Youth Enrichment Services Volunteer (2018-2020), NU Climbing Team, Rec. Climbing E-Board

ADDITIONAL EDUCATION/TRAINING
Graduate Certificate in Geographic Information Systems (GIS), 4.00 GPA (April 2021)
Northeastern University – Boston, MA
GIS Research Project: NEU International Safety Office, Boston, MA (2/21-4/21)
Generated ArcGIS Dashboard to display safety information for 14 campuses; created Python (arcpy) scripts

DATA SCIENCE EXPERIENCE

Geospatial Analyst Intern – Sentera, Minneapolis, MN (3/21-8/21)
- Delivered quality analytics using QGIS, including precision weed maps and crop health NDVI ratings, to inform farmers on time-sensitive agriculture decisions
- Collaborated with engineers, agronomists, and data scientists to quantify in-season agriculture insights
- Processed drone imagery and stitched orthomosaics using photogrammetry software (Metashape, Pix4D)

Risk Analyst – AIR Worldwide, Boston, MA (1/19-6/19; 1/20-1/21)
- Performed exposure calculations and analyzed spatial data in Excel to accurately deliver catastrophe bond remodeling files to investors through Touchstone Re, AIR's catastrophe modeling analytics software
- Produced monthly market summary reports in SQL covering $30+ billion in outstanding principal
- Managed 30+ remodeling projects for catastrophe bond database transition to Touchstone Re

Analyst, Disputes & Investigations (Co-op) – Alvarez & Marsal, San Francisco, CA (1/18-6/18)
- Analyzed large client data sets for $1+ million class-action damage calculations using SQL
- Meticulously reviewed case documents to support expert opinion in patent infringement cases

Data Analyst (Co-op) – Wayfair, Boston, MA (1/17-6/17)
- Created complex SQL scripts to pull large amounts of data into detailed Excel reports
- Developed analyses that drove a 10,000+ monthly shift of high impact packages from FedEx to UPS

ADDITIONAL EXPERIENCE

Teaching Assistant – UCSB Department of Economics, Goleta, CA (9/21-Present)
Conduct lectures of 30 students per week, hold office hours, and grade assignments for Intro to Economics
GIS Volunteer – Old Lyme Land Trust, Old Lyme, CT (10/20-8/21)
Recorded field data using handheld GPS, conducted overlay analysis in QGIS, produced ArcGIS Story Map

SKILLS

Data Analysis: Python, R, SQL, Git, Microsoft Excel
GIS: ArcGIS (Pro, Online), QGIS