

# Alex Clippinger

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## EDUCATION

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### **Master of Environmental Data Science** (Expected Jun 2022)

Bren School of Environmental Science & Management – University of California, Santa Barbara

### **Graduate Certificate in Geographic Information Systems (GIS)** (Apr 2021); GPA: 4.00

### **Bachelor of Science in Economics and Mathematics**, Minor in Business Admin. (Dec 2019); GPA: 3.66

Northeastern University – Boston, MA

Involvement: Youth Enrichment Services Volunteer (2018-2020), NU Climbing Team, Rec. Climbing E-Board

## GIS/DATA EXPERIENCE

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### **Geospatial Analyst Intern** – Sentera, Minneapolis, MN (Mar-Aug 2021)

- Delivered quality analytics to customers, including stand counts and crop health estimates, using QGIS
- Collaborated with engineers, agronomists, and data science team to quantify in-season agriculture insights
- Processed drone imagery and stitch orthomosaics using photogrammetry software (Metashape, Pix4D)

### **Risk Analyst** – AIR Worldwide, Boston, MA (Jan-Jun 2019; Jan 2020-Jan 2021)

- Performed exposure calculations in Excel using insurer datasets and analyzed spatial data
- 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
- Awarded Certified Extreme Event Modeler and Lean Six Sigma Yellow Belt distinctions

### **Analyst, Disputes & Investigations (Co-op)** – Alvarez & Marsal, San Francisco, CA (Jan-Jun 2018)

- 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 (Jan – Jun 2017)

- 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

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### **Teaching Assistant** – UCSB Department of Economics, Goleta, CA (Sep 2021 – Present)

- Conduct lectures of 30 students per week, hold office hours, and grade assignments for Intro to Economics

### **GIS Research Project** – NEU International Safety Office, Boston, MA (Feb – Apr 2021)

- Generated ArcGIS Dashboard to display safety information for 14 campuses, created Python (arcpy) scripts

### **GIS Volunteer** – Old Lyme Land Trust, Old Lyme, CT (Oct 2020 – Aug 2021)

- Recorded field data using handheld GPS, conducted overlay analysis in QGIS, produced ArcGIS Story Map

## SKILLS

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**Data Analysis:** Python, R, SQL, Git, Microsoft Excel

**GIS:** ArcGIS (Pro, Online), QGIS