

Alex Clippinger

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Education

UCSB Bren School of Environmental Science & Management, Santa Barbara, CA

Master of Environmental Data Science; GPA: 4.00

Aug 2021-Present

Northeastern University, Boston, MA

Graduate Certificate in Geographic Information Systems (GIS); GPA: 4.00

Apr 2021

Bachelor of Science in Economics and Mathematics; GPA: 3.66

Dec 2019

Minor: Business Administration

Experience

Geospatial Analyst Intern, Sentera, Minneapolis, MN

Mar-Aug 2021

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

GIS Volunteer, Old Lyme Land Trust, Old Lyme, CT

Oct 2020-Aug 2021

- Record field data on trails, invasive plants, etc. using handheld GPS to update trail maps in ArcGIS Pro
- Conducted overlay analysis of natural resources and other criteria in QGIS to inform acquisition efforts
- Created ArcGIS Story Map visualizing flooding in town open space using remote sensing indices

GIS Research Project, NEU International Safety Office, Boston, MA

Feb-Apr 2021

- Generated an ArcGIS Dashboard to display safety information for 14 domestic and international campuses
- Utilized Python (arcpy) to create updated ArcGIS Online feature layers and helpful maintenance scripts
- Thoroughly trained team on Dashboard use, upkeep, and additions, including extensive documentation

Risk Analyst, AIR Worldwide, Boston, MA

Jan-Jun 2019; Jan 2020-Jan 2021

- Managed 30+ remodeling projects for catastrophe bond database transition to Touchstone Re
- Performed exposure calculations using insurer datasets and analyzed spatial data with Excel
- Produced monthly market summary reports in SQL covering \$30+ billion in outstanding principal
- 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

Skills & Tools

R, Python, QGIS, ArcGIS Pro, Microsoft Excel, SQL, Git