Brian Slobotsky

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EDUCATION

- **University of Maryland,** College Park, MD   August 2019 – May 2020
  M.S. in Geography
  "Estimating Commercial and Residential Food Waste Generation at County Scale"
  Recipient of the Brian R. Melchior Research Scholarship
- **University of Maryland,** College Park, MD   August 2016 – May 2019
  B.S. in GIS; 3.93 GPA
  Recipient of the James R. Anderson Award (highest departmental honor, awarded
  to one undergraduate per year); Achieved the College of Behavior & Social Sciences
  Dean's List all six semesters.

RELEVANT COURSEWORK

- **Models and Methods for Spatial Data Science** (GEOG788P)   Fall 2019
  Acquired advanced Python skills for automating data collection, processing, and
  analysis in the context of spatial data science. Covered a broad range of subjects
  including web scraping, web maps, interactive maps, spatial regressions, spatial
  interaction models, and machine learning, culminating in a term project.
- **Geographic Information Systems and Spatial Analysis** (GEOG473)   Spring 2019
  Experienced advanced GIS concepts demonstrated for practical use, developed
  a GIS analyst skillset by writing reports, worked with relational database management
  system conceptualization; practiced writing SQL queries, describing patterns in data,
  and perfecting assignments to meet explicit instructor expectations.

RELEVANT EXPERIENCE

- **UMD Center for Geospatial Information Science**, Researcher   May 2019 – August 2019
  Assisted two professors in spatial statistics research and data visualization
  using R, QGIS, and ArcGIS. Worked on development of the Maryland
  Environmental Justice Screening Tool web map.
- **University of Maryland Campus GIS**, GIS Intern   September 2018 – December 2018
  Produced maps for underground utility systems from digitized CAD data using
  ArcCatalog Spatial ETL tools and ArcMap. Published the maps into a web application
  on ArcGIS Online with HTML coding. Worked with three-dimensional modeling of
  buildings and roof shapes in ArcGIS Pro using LIDAR data.
- **START,** Geospatial Intelligence Intern   August 2017 – December 2017
  Conducted research on the relationship between conflict and resource scarcity in Ethiopia
  with Microsoft Excel pivot tables, ArcGIS 10.5, model builder, spatial statistics tools,
  SPSS, and R. Remained flexible in order to complete daily side-tasks from supervisors.

SKILLS

- Proficient in ArcGIS (including Online and Pro), Microsoft Office (including Excel)
- ESRI certifications: Network Analyst, Geodatabase Domains and Subtypes, Web AppBuilder for ArcGIS
- Proficient in Python (including ArcPy, CenPy, and Pandas), R, and SQL
- Familiar with HTML, JavaScript (including Leaflet), QGIS, and Carto