

Brendan Cullen

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Experience

GIS Specialist

Ursa Space Systems | May 21' - Present

Member of Solutions team, providing support to Product, Engineering, UI, and Data Science teams. Project lead developing geospatial dashboard products using AWS, ArcGIS Online, and the ArcGIS APIs. Administer ArcGIS licenses, services, and applications. Integrated Mapbox into reusable Angular components for UI team.

Planning Technician

Chautauqua County Department of Planning & Development | Jan 20' - Apr 21'

Developed web-maps, static maps, and other cartographic products. Analyzed and managed data for planning studies. Assisted in the administration and implementation of county planning programs and grants.

GIS Programmer/Analyst

Seneca County Auditor's Office | Jan 19' - Jan 20'

Responsible for the maintenance, development, and integration of the Seneca County Geographic Information System. Automated data processing workflows between the Auditor's Office, other departments, and outside contractors. Produced agricultural use valuation reports.

Planning & GIS Intern

Orange County Planning Dept. | Jun 18' - Aug 18'

Produced cartographic products for county planning projects, NGOs, and development groups. Developed spatial models using ArcGIS Modelbuilder and Python. Created diagrams and visualizations for county reports.

Student Researcher

SUNY Geneseo | Jan 18' - May 18'

Funded by the Dean Johnston Foundation Award. Assisted supervising professor with production and organization of forest spatial modeling results. Developed various maps and figures using ArcGIS and Excel. Contributed to publication of research material.

Education

Graduate Certificate in Geospatial Programming & Web Map Development

Penn State | May 20' - May 21'

Relevant Coursework: GIS Programming & Software Development, Web Application Development, Spatial Database Management, Open Web Mapping

Bachelors of Arts in Geography/ Environmental Studies

State University of New York at Geneseo | Aug 14' - May 18'

Skills

Web-GIS

ArcGIS API, Mapbox, Turf.js, CARTO

Software Development

Python, Javascript, Git, Typescript, Angular

Data Visualization & Cartography

ArcGIS Pro, ArcGIS Online, QGIS

Spatial Data Analysis & Management

ArcPy, ArcGIS API, GeoPandas, PostGIS

UX & Product Development

Project Management

Communication

Key Projects

Ursa Global Indicator Dashboards

Ursa Space Systems - 2021

CHQ Solar Development Map

Chautauqua County Department of Planning & Development - 2020

CHQ Food System Map

Chautauqua County Department of Planning & Development - 2020