Brendan Cullen

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Experience

Owner
MAP-LAB, LLC | Remote | 8/22 - Present
Sole developer and designer of mapping tools that add real-time multiplayer collaboration features to ArcGIS Online. Prototype built using the ArcGIS JS APIs, Dojo Toolkit, Liveblocks API, and ExpressJS. Working with ESRI through the ESRI Startup Program to list product on the ArcGIS Marketplace.

Software Engineer
Ursa Space Systems | Ithaca, NY | 10/21 - Present
Core developer of web-based satellite imagery tasking, ordering, and analytics user interface using Angular, Mapbox GL, Stripe, and Ursa's Backend APIs. Work closely with Product, Platform, Data Science, and Solutions teams to provide engineering support and build new features. Scrum Master of six person front-end team, running daily standup, backlog grooming, and sprint planning.

GIS Specialist
Ursa Space Systems | Ithaca, NY | 5/21 - 10/21
First employee hired for Ursa's Solutions team. Responsible for helping new and potential customers integrate with Ursa's analytics and APIs. ArcGIS administrator for 30+ users. Developed custom ArcGIS dashboards, web-maps, and other data visualization products using Ursa's proprietary data. Led integration of Ursa's data products on the AWS Data Exchange. Automated recurring GIS workflows using Python and performed custom GIS analysis for clients using ArcGIS Pro.

Planning Technician
Chautauqua County | Jamestown, NY | 1/20 - 4/21
Developed web-maps, paper maps, and other cartographic products. Collected, organized, and analyzed data for planning studies. Managed various county planning programs and grants. Prepared applications for NYS grant opportunities.

GIS Programmer/Analyst
Seneca County | Tiffin, OH | 1/19 - 1/20
Maintained, further developed, and promoted the GIS Program of Seneca County. Automated GIS data collection and processing workflows between county departments, local municipalities, and outside contractors. Produced agricultural land use valuation reports for County Auditor's Office.

Education

Geospatial Programming & Web Map Development
Graduate Certificate, Penn State | 2021

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

Geography & Environmental Studies
BA, SUNY Geneseo | 2018

Skills

Web Development (Typescript, Javascript, Sass, CSS, HTML)

Angular & Angular Material

MapboxGL APIs & Style Specification

ArcGIS REST API & API for Javascript

Python (Pandas, ArcPY, GDAL)

GIS & Data Visualization (ArcGIS Pro, ArcGIS Online, QGIS, Carto, OSM)

Scrum & Agile (Scrum Certified, 2022)

Project Management (Jira)

Key Projects

MAP-LAB | Collaborative Mapping Tools for ArcGIS Online (2022)

Ursa Platform | Satellite Imagery Tasking, Ordering, and Analytics Platform (2021)

CHQ Food System Map | Connecting food producers, processor, and distributors in Chautauqua County (2020)