

Will Gannon



Experience

GIS Tech | New Jersey Resources

2016-Present

- Update GIS Systems from as-built field drawings, Aerial imagery, and Georeferenced plans.
- Creating python scripts and tools for QAQC tasks to query data and automatically enrich feature data.
- Gather and manipulate data from multiple sources to an appropriate format and projection for our GIS system.
- Collaborate with engineers on Work Order, Critical Valve, Regulator Station, Permit, SOME Manual, and State Drawings.
- Map Graphics for Emergency Dispatch and System Engineers.
- Yearly production of USGS Compliance Map Packages.

Geospatial Tech | BAE Systems

2014-2016

- Collaborate with team to innovate automation of data conflation efforts using specific workflows, ArcMap Model Builder, and python programming.
- Conflate, assess, integrate, manipulate, exploit, and analyze digital imagery, geospatial databases, and various data sources.
- Perform moderately complex planimetric feature extraction.
- Run multiple Quality Control tasks and programs in Arc Map. Performing basic query statements to confirm correct spatial attribution, running batch checks, running other government software.
- Sent to ESRI 2015 UC in San Diego to explore new technologies and possible solutions to bring back and share with office team.



Education

Master of Science (MS):

GIS Development & Cartography

2018-2020

University of Wisconsin-Madison | Online

Coursework included:

- Spatial Web & Mobile Programming: full-stack web and mobile geospatial application development.
- Interactive Cartography and Geo-Visualization: user experience/interface (UX/UI) design, data visualization, and client-side development for web applications (D3, Leaflet, jQuery)
- Graphic Design in Cartography: cartographic and design principles for web map and UI design; responsive web development; shaded relief map production.
- GIS & Spatial Analysis: statistical methods for spatial data interpolation and analysis
- Geospatial Database Design & Development: data and process modeling; relational and document-oriented database design and implementation; SQL (PostgreSQL/PostGIS)
- Geo-computing: Python and command line Utilities (GDAL/OGR) for data processing and spatial analysis

Bachelor of Science (BS) Planning

2010-2014

Rowan University | Glassboro, NJ

Minors in: GIS & Geography



Contact

[wgannon.github.io](https://github.com/wgannon)

Wwdgannon@gmail.com



Technical Skills

Data Management

- PostgreSQL/PostGIS
- ArcCatalog
- ERD(Schema and ER Diagraming)
- GitHub

Basic Code Familiarity

- Python
- SQL
- Java

Web Development

- JavaScript(D3, jQuery)
- Bootstrap
- HTML/CSS
- Heroku

Mapping

- ArcGIS
- Mapbox(GLJS, Studio)
- CARTO
- Leaflet

Design

- WireFraming
- Adobe Creative Cloud