

# **William D. Gannon**

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## **DIRECTION**

To become a GIS developer with a masters, GISP, and 5 years of work experience. With this I hope to do more advanced work and automation in my fulltime job while also expanding consulting work with small businesses and non-profits.

## **EXPERIENCE**

### **GIS Technician- New Jersey Resources**

**Sept. 2016 – Present (2.5 Years)**

- Update GIS Systems in ArcFM from as-built drawings, Aerial imagery, and Georeferenced plans.
- Produce Utility Plans in AutoCAD for Gas Utility work and accompanying information following State Regulations. Producing drawings of Regulator Station and Critical Valve drawings.
- Creating scripts to autofill information from different layers.

### **Geospatial Technician - BAE Systems**

**Jan. 2015 – Sept 2016 (1.8 Years)**

- 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.
- Perform moderately complex GIS finishing cartographer activities and quality assurance using ESRI software involving both manual and automated processes.
- Produce with quality and efficiency through the receipt of regular problem mitigation, guidance, and feedback from leads, managers and other technicians.

### **GIS Consultant - J. Edward Consultants, LLC**

**Dec. 2014 – Present (By Project Basis)**

- Complete GIS tasks such as Geo-Referencing shapefiles and data to conform to New Jersey regulation using QGIS and open source data.

### **GIS and Planning Intern - Monmouth County Division of Planning**

**June 2013 - Sept. 2013(4 Months)**

### **General Manager - The Committed Pig**

**Sept. 2014 - Jan. 2015(5 Months)**

### **Banquet Server-Expediter - The Committed Pig**

**Oct. 2009 - Jan. 2015(6 years)**

## **SUMMARY OF QUALIFICATIONS**

### **Applications Experience**

- ESRI Arc Map Suite and Tools, ArcFM(for utilities), AutoCAD, Socetset, QGIS, Idrisi Selva, Microsoft Office, Illustrator, SketchUp, Google Sheets, OSM, Census Bureau Site, Model Builder, Macro Model

### **Analysis**

- Comparing datasets for quality prior to conflation. Review the conflated missing geometry and attribution for quality checking the topology with batch checks in Arc Maps Data Reviewer tool.
- Creating and compiling tools in Model Builder to geo-process certain tasks.
- Reading and understanding documents of deliverable requirements in the form of a Schema.
- Create a Service Area Analysis on 5 Delivery Restaurants by combining available data and collected information from each restaurant then putting it into a Geodatabase. Then querying it against the road network to produce a visual representation of areas that can be advertised and delivered to.

### **GIS & Cartography**

- Extensive experience of data collection, input, management, SQL statements and Map Algebra tools.
- Organized maps to be easy to understand using Adobe Illustrator and ESRI's Map Editing tools.

### **Communication**

- Presented maps, reports, and case studies, and any complications in professional manner.
- Worked in teams and under orders of superiors allocating information and data to complete maps, 3D renderings, utility plans, federal regulated printouts, and reports.

## **EDUCATION**

Rowan University, **Bachelors of Science: Planning**

**May 16th, 2014**

**Minors: GIS, Geography**