

# Jennifer Fredenburg

Senior Designer



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## Expertise

- Over 21 years of experience working on a variety of design projects requiring technical and graphics skills
- Eight years of GIS and visual basic programming experience
- Five years of experience using Python programming to improve efficiency in graphic development
- Infographic development and data visualization

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## Professional Experience

### **Senior Designer (August 2015–Ongoing)**

TIG Environmental, Syracuse, New York

Ms. Fredenburg supports scientists and engineers on a variety of projects at TIG Environmental. She uses graphic design and GIS skills to create figures that illustrate complicated processes and strategies.

Using a number of programs (including Adobe Illustrator, Photoshop, and InDesign and Microsoft Visio and Word), Ms. Fredenburg develops graphic products such as timelines, conceptual site models, charts, graphs, diagrams, and animations. She automates frequently used graphics routines using Python and Visual Basic code for efficiency. The infographics she creates succinctly convey important messages for clients and technical reports.

### **Maps and Records Technician (September 2014–July 2015)**

National Grid

Ms. Fredenburg used both GIS and CAD programs to record work scheduled and completed in the field, providing timely and accurate updates to the electric utility information systems. Accomplishments during her tenure at National Grid include utilizing Python and VBA code to streamline a data input system and increase the efficiency by three times.

### **Landscape Designer and Financial Accounts Manager (April 2012–April 2014)**

Garden Arts Companies

Ms. Fredenburg acted as a landscape designer, in addition to managing financial accounts, providing technical support, and supervisory duties. She also assisted the owner with business planning and management.

### **Jr. Landscape Architect (April 2006–March 2011)**

Behan Planning and Design

While with Behan Planning and Design, Ms. Fredenburg produced designs, presentation graphics, and construction documents for streetscape, park, and institutional projects. From concept to detail drawings, she was responsible for rough sketching and client presentations through delivery of construction documents. Ms. Fredenburg also provided support for planning projects including assisting with public meetings, GIS and mapping support, and providing graphics and writing for plans and presentations. She implemented AutoCad across the firm, to provide engineering partners with digital drawings in place of hand-drafted designs, improving communication and efficiency within the firm.



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**Academic  
Qualifications**

Certificate in Graphic and Digital Design, Parsons School of Design|The New School, 2019

MLA in Landscape Architecture, State University of New York College of Environmental Sciences and Forestry, 2005

BS in Geography, University of Georgia, 1997