

# Patrick Smyth

<https://psmyth2.github.io/>

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## Education

M.S. in GIS & Web Map Programming

**University of Wisconsin-Madison**, Madison, WI

Completion Date: 05/2018

M.S. Environmental Humanities

**University of Utah**, Salt Lake City, UT

Thesis: A Narrative Atlas of the Anthropocene

Completion Date: 05/2015

GPA: 3.98

Technical Certification, Applied GIS

**University of Utah**, Salt Lake City, UT

Capstone Project: Development of Monitoring Geodatabase for the U.S Forest Service Geospatial Technology Center

Completion Date: 05/2014

GPA: 3.96

B.A. History, 05/2009

**University of Notre Dame**, Notre Dame, IN

Disciplinary Focus: Environmental History

Graduation Date: 05/2009

GPA: 3.50

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## Professional Experience

### **Web GIS Application Manager, The Trust for Public Land, Santa Fe, NM 06/2016 – Present**

- Responsible for managing all GIS web applications over the entire project life cycle including scoping, design, development, testing, deployment and project management
- Maintain, optimize and manage web infrastructure including ArcGIS Server, Portal and IIS web hosting environments
- Develop and deploy javaScript-based web applications and decision support tools

### **GIS Analyst, The Trust for Public Land, Santa Fe, NM, 07/2015 - 06/2016**

- Implementation and design of ParkServe, the nation's first spatial database, clearinghouse and interactive web platform for urban parks
- Development of an integrated parks data model using latest in geodesign principles and practices
- Coordination and management of large-scale data collection and deployment of automated storage/processing procedures
- Stand-up, administration and automation of enterprise-level spatial databases in SQL Server and ESRI multiuser editing environments

### **GIS Contractor, The Trust for Public Land, Salt Lake City, UT, 01/2015-05/2015**

- Prepared Conservation Easement Baseline Analyses for multiple properties
- Performed all GIS/GPS (field collection, desktop post-processing, map production) and inventory work for numerous properties, saving TPL the time and expense of contracting for individual components

### **GIS and Database Intern, The Bureau of Land Management, Salt Lake City, Utah, 05/2014 – 01/2015**

- Worked extensively with Natural Resource and GIS staff in development of geospatial database and web application to assist in completion of Lands with Wilderness Characteristics inventory process
- Acquired and implemented full-stack web development skills to design front-end user interface for Wilderness Characteristics Inventory web-application
- Served as member of ArcGIS Portal Team tasked with developing online mapping applications for Utah

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## Technical Skills

**D3, Leaflet, Mapbox, ArcGIS API for JavaScript, Dojo**

**Bootstrap, HTML5, CSS, JavaScript**

**Python Scripting and Automation**

**Cartographic Workflows in Illustrator and Photoshop**

**ArcGIS suite (Map, Catalog, Scene), ArcSDE, ArcServer and Portal**

**Microsoft SQL Server , PostgreSQL/PostGIS**

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## References

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