## Education:

**M.A.** **University of Illinois – Springfield,** Springfield, Illinois 2015 – Present
Major: Public History

**University of Maine – Farmington,** Farmington, Maine 2008
Middle/Secondary Social Science Teacher Certification Program

**B.A.** **University of Maine – Farmington,** Farmington, Maine 2005
Degree: Geography
*Magna cum Laude*

## Professional Clearances/Certifications:

**Active Department of Defense (DoD) SECRET Security Clearance** 2012-Present

**Provisional Maine Professional Teaching Certification** 2008-2013
7-12 Social Science –0200

## Instructional Experience:

**Skowhegan Area Middle School,** Skowhegan, Maine 2008-2010
*7th/8th Grade Social Studies Teacher*

- Instruct geography and U.S. history in heterogeneous grouping utilizing various pedagogical techniques, literacy strategies, and technologies
- Assist in re-design of geography curriculum at the Middle School level as well as evaluate sequence of social studies courses for district, K-12
- Communicate effectively with parents and administrators regarding students' academic/social well-being

**Skowhegan Area High School/Middle School,** Skowhegan, Maine 2008
*Student Teacher - Geography/U.S. history*

- Design, plan, and teach various units in regional geography and U.S. history
- Assist mentor teachers in classroom management/lesson preparation and delivery

**Mt. Blue High School,** Farmington, Maine 2003
*Practicum Instructor - World History*

- Deliver select lessons within curriculum guidelines; Observe/reflect upon multiple teaching styles/classroom settings/learning environments

## Internships:

**Illinois Historic Preservation Agency,** Springfield, Illinois 2016

*Bryant Cottage, Bement, Illinois*

- Research/compose nomination of property for the National Register of Historic Places

**Historic Marbold Farmstead Association,** Greenview, Illinois 2016- Present

*Graduate Intern*

- Conduct survey of property for Strategic Plan; Assist with nomination of property for the National Register of Historic Places

## Relevant Technical/Professional Experience:

**Illinois Air National Guard, 183d Fighter Wing,** Springfield, Illinois 2012-Present

*Civil Engineering Assistant*

- Perform civil engineering design, drafting, and surveying to support Air Force facility construction and maintenance programs
- Prepare manual and Computer Aided Design (CAD) drawings, specifications, and cost estimates
- Operate/maintain Geographic Information Systems (GIS)
- Utilize surveying technology to include Global Positioning System (GPS) and permanent/temporary base stations for highly accurate map production

**Illinois Department of Transportation (IDOT),** Springfield, Illinois 2013-Present

*Engineering Technician II*

- Communicate effectively with IDOT officials, steel plant representatives, industry leaders regarding materials testing procedures & outcomes
- Maintain extensive databases of test results and past/upcoming audits
- Initiate/coordinate research project on modified (textured) steel reinforcement bar to be used in bridge decks throughout Illinois

**Illinois Department of Transportation (IDOT),** Springfield, Illinois 2011-2013

*Photogrammetrist II*

- Compile planimetric/topographic digital maps of moderately complex density of culture and contours on digital photogrammetric workstation to National Mapping Standards
- Draw digital terrain models for map production utilizing MicroStation software
- Resolve/troubleshoot technical issues associated with compilation process

**Aerial Survey & Photo, Inc.,** Norridgewock, Maine 2006-2008

*Cartographer*

- Create large scale maps from aerial photographs using Analog Stereoplotter
- Identify planimetric/topographic features; generate contours and digital terrain models
- Utilize AutoCAD software within Windows operating platform on analog and digital equipment

## Projects:

**GPS Site Survey: Historic Marbold Farmstead,** Greenview, Illinois 2016

- Utilized Trimble Total Station and R7 Rover to determine exact location of multiple features for creation of highly accurate map using AutoCAD software; Map to be used for application for nomination for the National Register of Historic Places

**Community Project: Recreation Map for Town of Skowhegan, Maine** 2008

- Assisted with data gathering/photos of various locations; instructed students on fundamentals of mapping; Collaborated with town officials to discuss map features

**Franklin County Disaster Mitigation Plan, UMF,** Farmington, Maine 2004

- As part of team, collected GPS points of interest (fire/rescue, hospital, police, freshwater supplies, etc…) and created map using ArcGIS software; Presented map and mitigation plan to county officials

## Paper Presentations:

**Bacon, D.E.** (2016, April) Historic Landscape or Field of Dreams: Interpreting Authenticity at Lincoln's New Salem State Historic Site. Presented at 39th Annual HAPA Symposium, Eastern Illinois University, Charleston, Illinois

**Bacon, D. E.** (2005, April) Preservation vs. Progress: How Maine's Coastal Communities Are Handling the Question of Development. Presented at Association of American Geographers Annual Meeting, Denver, Colorado

## Awards:

**John L. Levitow Award,** McGhee-Tyson Air National Guard Base, Tennessee 2014

*Airman Leadership School*

- Pinnacle of success of USAF Professional Military Enlisted (PME) schools; Presented to the student who demonstrates highest level of leadership and scholastic abilities

**Academic Achievement Award,** Fort Leonard Wood, Missouri 2013

*Engineering Assistant Technical School*

- Presented to Technical School graduates who achieve a minimum of 90% on all academic evaluations