

## TREVOR ELIFRITZ

686 Vernig Rd. | Sun Prairie, WI 53590 | 608-446-1350 | elifritz@wisc.edu

### OBJECTIVE

Meaningful research and analysis using GIS techniques, programming expertise and historic research skills.

### EDUCATION

Bachelors of Science

Expected Winter 2015

*University of Wisconsin - Madison*

- Major: Cartography and Geographic Information Systems
- Major: History
- Related Coursework: Geography research capstone, Applications of GIS, Practical applications of GPS, Spatial Databases, Cartographic Design, Historic Research seminar

### SKILLS & ABILITIES

#### GIS Research and Analysis

- Proficient in the following GIS software: ArcGIS, QGIS, GRASS, PostgreSQL, PostGIS and Mapbox Studio
- Geography capstone involving semester long GIS research and production of "Street Lighting and Crime in Downtown Madison" research paper. (Available on request)
- GIS capstone involving semester long guided GIS research and techniques of A Xing Zhu. Produced spatial analysis of morel mushroom growth in south central Wisconsin. (Available on request)
- Practical GPS application of construction in downtown Madison. Produced MATLAB GPS functions and maps to aid in proposing construction.

#### Programming

- Proficient in: SQL, Java, HTML/CSS, JavaScript, C++ and MATLAB
- Spatial database project on "Deer-related car collisions in Wisconsin" using SQL
- Numerous Java applications such as: Game of Life, Snake, Credit card database and more.

#### Historical Research and Writing

- Research thesis on "Leif Erikson Day: a celebration of exploration and discovery in the Norwegian-American communities". (Available on request)
- Numerous historic research papers on the following topics: modern American education, Soviet international relations, Mongol expansion, Vietnam War era politics, Samuel Huntington vs Fukuyama policy

### EXPERIENCE

Building and Grounds

2011 to 2014

*Sun Prairie Area High School*

- Responsible for the maintenance and cleaning of designated floor in Sun Prairie High School
- Received high grades on all quarterly reviews

Auditor

2011 to 2013

*Badger Inventory*

- Took inventory of local stores and provided audits to better manage sales