

# Scott Farley

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## Highlighted Projects

### Ice Age Mapper

A tool for multidimensional exploration of paleoecological change data

### Firesphere

Mobile application and web portal for real-time community wildfire risk data

### Wooden Ships

Interactive visualization of 200 years of pre-industrial maritime trade

## Work Experience

### Teaching Assistant

2016

University of Wisconsin, Madison

Developed lab assignments, worksheets, and exercises to promote student problem solving, computational thinking, and familiarity with prominent geocomputing tools in an introductory programming course.

### Founder and CEO

2014-2015

Firesphere, LLC

Developed a wildfire risk modeling technology for use in residential areas and implemented it using a mobile app-web portal coupled system. Designed compelling client-facing visualizations and a server-based risk calculation engine for real-time data delivery.

### Web Developer

2014-2015

University of California, Berkeley

Planned, developed, and implemented an open-source system for managing paleo-ecological datasets to promote data sharing and visualization while ensuring data provenance.

## Skills

### Languages

Javascript  
HTML & CSS  
Node.js  
Python  
R

### Geospatial

ArcGIS  
QGIS  
GDAL/OGR  
CartoCSS  
Postgres/PostGIS

### Development

Full-stack workflows  
Data service implementation  
Machine learning  
UI/UX design and evaluation

## Education

### Masters of Science

2017

Cartography and GIS

University of Wisconsin, Madison

### Bachelors of Arts with Honors

2014

Geography

University of California, Berkeley