

Scott Farley

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Education

Masters of Science

2017

Cartography and GIS

University of Wisconsin, Madison

Optimizing computing platforms for climate driven ecological forecasting models

Bachelors of Arts with Honors

2014

Geography

University of California, Berkeley

Honors Thesis: Geographic information system modeling of wildfire behavior and forest hazard

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

Work Experience

Teaching Assistant

2016

University of Wisconsin, Madison

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

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. Managed company assets, interacted with community stakeholders and emergency officials, and promoted the service at community events.

Web Developer

2014-2015

University of California, Berkeley

Planned, developed, and implemented an open-source system for storing and visualizing paleoecological datasets in a way that facilitated data sharing and visualization while promoting data provenance.