

ELLEN FURNESS

GIS WEB SPECIALIST



elasfern@gmail.com

PROFESSIONAL SUMMARY

Pursuing a GIS Analyst position; ArcGIS Pro with Python and Web GIS are my current self-study curricula.

Results-driven Web Developer develops cutting-edge websites and web applications. Expertise in HTML, CSS, JavaScript, React, Node.js, and other web technologies.

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

EXPERIENCE

US FOREST SERVICE, PIKES PEAK NATIONAL FOREST - GIS Technician

03/2000 - 11/2021

- Combined the use of aerial photographs, Digital Ortho Quads, Orthoimagery to interpret major vegetation/forest types for the Turkey Creek watershed
- Use of GIS ArcInfo and ArcEdit Tools to digitize heterogeneous vegetation polygons onto DOQ's
- Set up ArcInfo watershed/riparian/vegetation coverages
- Verified final vegetation maps, conducting Region 2 CSE's.

US FOREST SERVICE - BAER Team Technical Specialist/Project Leader

03/2000 - 10/2021

- Burned Area Emergency Rehabilitation (BAER) projects in watershed assessment of burned areas, aerial reconnaissance by helicopter, topographic mapping of treatment sites and hydrophobicity soil testing
- As Project Leader and BAER Team Trainee, led technicians in conducting rehabilitation treatment plans that contributed to Final Burned Area Rehabilitation Reports.

NATIONAL PARK SERVICE, AIR RESOURCES DIVISION - Biologist, Web Developer, GIS

LAKEWOOD, US • 01/2004 - 05/2010

- Assisted Webmaster in the design, maintenance, and conversion of the Air Resources Division websites to XHTML using Adobe Dreamweaver/ColdFusion
- Created GIS maps, reports and documents

EDUCATION

University of Denver

08/2022

Certification: Full-Stack JavaScript Web Development

UNIVERSITY OF DENVER

US • 05/2006

M.S. Masters of Science:

Geographic Information Systems

UNIVERSITY OF COLORADO, BOULDER

US • 08/1995

M.S Masters of Science: Population Biology

SKILLS

- ESRI ArcGIS Pro/Desktop
- Learning Python for ArcGIS Pro
- Story Map (ArcGIS), Experience Builder
- Biological Research
- Terrain Analysis
- GPS Technology
- Geoprocessing Tools
- Responsive design
- Front-end frameworks
- JavaScript proficiency

- Assisted Chief Biologist in analysis of air pollution in National Parks.

COLORADO COLLEGE - Website Builder

03/2003 - 05/2008

- Website design and maintenance of Geology Department websites and the Integrated Solid Earth Sciences (ISES) Antarctica website
- Provided front-end website development using Dreamweaver and other editing software.

HOBBIES AND INTERESTS

- Snowshoeing and cycling
- Hiking with my dog
- Advanced learning for GIS, Web and Python/JavaScript

VOLUNTEER EXPERIENCE

Boulder Flood Relief - Office Assistant, Web assistance

09/2013 - 03/2014

Kamchatka Wildlife Documentary - Production Assistant

- Collaborated with producers to develop project timelines that meet deadlines without compromising quality.

CURRENT WEBSITES

<https://storymaps.arcgis.com/stories/32404e9d37564136bb64c1cfc354d9a2>

<https://efurness.github.io/spokes-people/>

<https://efurness.github.io/ellen-s-react-portfolio/>

CERTIFICATIONS

- Full-stack JavaScript Web Development
- Burned Area Emergency Rehabilitation (BAER)