

Kathryn J Rowe

715-554-0498 • kjrowe06@gmail • San Francisco • in/kathryn-rowe • github: kathryn-rowe • kathrynro.website

Technical Skills

Languages & Technologies: Python (Flask, Django), JavaScript (AJAX, JSON, jQuery), HTML, CSS, Bootstrap, SQL (PostgreSQL, MySQL), ORM (SQLAlchemy, GeoAlchemy), Git/Github, Bash scripting, Tests (TDD, Unit, Integration, Jasmine), D3, Vagrant, Heroku, AWS, Drupal
Geospatial: ArcGIS, QGIS, OSM, Mapbox, Leaflet **Design:** Adobe Creative Suite, TileMill

Projects

Tell Me About the Birds. A visualization tool that allows users to explore data about where birds have been sighted, when they are most abundant, and which other species may be present.
Stack: Python (Flask), PostgreSQL, JavaScript, HTML/CSS, D3 APIs: Mapbox & DuckDuckGo

Portfolio. A personal portfolio designed to showcase experience and feature blogs about current work.
Stack: Python (Flask), PostgreSQL, JavaScript, HTML/CSS

Hey Congress! Winner at *Impact Hackathon*. Worked with a small team to create a central platform where Voters can inform themselves and express opinions about upcoming legislation.
Stack: Python (Flask), PostgreSQL, JavaScript, HTML/CSS

Code for America. As Python & GIS Lead for project TRIP4SF, I collaborate with other volunteers to develop an app that tracks the Department of Transportation's project pipeline.
Stack: Python, PostgreSQL/PostGIS, JavaScript, HTML/CSS

Education

Software Engineering Fellowship, Hackbright Academy, San Francisco, CA, March 2017

Master's in Geographic Information Technology, Northeastern University, Boston, MA, 2012

Bachelor of Arts - Biology, St. Catherine University, St. Paul, MN, 2007

Publication

Distribution and Abundance of Freshwater Mussels in the Mid Klamath Subbasin, California
Davis, E., David, A., Norgaard, K.M., Parker, T.H., McKay, K., Tennant, C., Soto, T., Rowe, K., and Reed, R. *Northwest Science* 87.3 (2013): 189-206.

Experience

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| Salmonid Restoration Federation April 2017 - present Aug. 2015 - Dec. 2016 | Project Coordinator • Currently inputting and maintaining data for Redwood Creek Low-Flow Monitoring Project. • Performed daily and project-based maintenance tasks for servers, OS upgrades, and security. • Updated and created Drupal-based website content; created and distributed outreach materials through social media, monthly eNewsletters, and targeted outreach. • Wrote complex queries and updated membership and donor information in CRM database. • Worked closely with Executive Director to coordinate statewide technical education events. | Eureka, CA |
| Patagonia, Inc. Oct. 2014 - Aug. 2015 July 2011 - June 2013 | Grants Coordinator & Floor Supervisor • Evaluated grant requests and coordinated the distribution of award money to local nonprofits. • Designed a New England watershed map for company's Common Waters campaign. | San Francisco, Boston, & St. Paul |
| Sequoia ForestKeeper May - Sept. 2014 | Geographic Information Systems Coordinator • Designed and implemented organization's GIS data storage schema and spatial databases. | Kernville, CA |
| Charles River Watershed Association Dec. 2011 - May 2013 | Geographic Information Systems Intern • Developed research report illustrating possible spawning habitat for native fish • Used LiDAR and City infrastructure data to perform storm water modeling. | Weston, MA |

Volunteer

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| PyBay July - Aug. 2017 | Conference Organizer • Connected the Python community by organizing, creating, and distributing outreach materials. | San Francisco, CA |
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