Kathryn J Rowe

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

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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 collaborated with other volunteers to develop an app that tracks the Department of Transportation's project pipeline.
Stack: Python, PostgreSQL/PostGIS, JavaScript, HTML/CSS, Leaflet

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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

Alameda County Behavioral Health Care Services
Oct. 2017 - present

Information Systems Analyst — Oakland, CA
- Research and implement emerging technologies to increase monitoring and reporting capabilities.
- Write complex SQL queries for behavioral healthcare reports.
- Work closely with team and project partners to automate our data ingestion process and monitor a rapidly growing database.
- Quickly became point person responsible for resolving server and database issues.

Salmonid Restoration Federation
April - Dec. 2017
Aug. 2015 - Dec. 2016

Project Coordinator — Eureka, CA
- Managed data for Redwood Creek Low-Flow Monitoring Project.
- Performed daily and project-based maintenance tasks for servers, OS upgrades, and security.
- Updated and created website content; wrote and distributed outreach materials.

Patagonia, Inc.
Oct. 2014 - Aug. 2015
July 2011 - June 2013

Grants Coordinator & Floor Supervisor — San Francisco, Boston, & St. Paul
- 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.

Sequoia ForestKeeper
May - Sept. 2014

Geographic Information Systems Coordinator — Kernville, CA
- Designed and implemented organization's GIS data storage schema and spatial databases.

Volunteer

PyBay
July - present

Conference Organizer — San Francisco, CA
- Connect the SF Python community by organizing, creating, and distributing outreach materials.

Maptime
April 2017 - present

Event Organizer — Oakland, CA
- Regularly attend mapping meetups and helped organize an event with Planet Labs.