Kathryn J Rowe

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Technical Skills	**Languages & Technologies:** Python, JavaScript (AJAX, JSON, jQuery), HTML, CSS, Bootstrap, SQL (PostgreSQL, MySQL, SQLAlchemy, CRM), Flask, Jinja2, Git, Bash scripting, Testing (Unit, Integration, Jasmine), Django, ChartJS, D3, Mapbox, GoogleMaps, DuckDuckGo API **Geospatial:** ArcGIS 10.x, QGIS, OpenStreetMap **Design:** Adobe Photoshop, Illustrator, & Indesign; 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, SQLAlchemy, JavaScript, Flask, HTML, CSS, Bootstrap, D3

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

Salmonid Restoration Federation
Aug. 2015 - Dec. 2016

Project Coordinator — Eureka, CA
- Worked closely with Executive Director to coordinate and organize technical education events, including California's largest restoration conference.
- Coordinated Redwood Creek Monitoring Program's data collection and analysis.
- Created outreach materials and distributed them to the community using social media.
- Queried and updated membership, donor, and eNewsletter data in Nationbuilder database.

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

Floor Supervisor, Grants Coordinator, & Intern — San Francisco, Boston, & St. Paul
- Evaluated grant requests and coordinated the distribution of award money to local nonprofits.
- Lobbied in Washington D.C. for protection of Arctic National Wildlife Refuge.

Humboldt Fish Action Council
March 2015 - May 2015

Nursery & Field Crew Member — Eureka, CA
- Participated in salmonid habitat restoration projects by propagating native plants and writing grants to fund further projects.

Sequoia ForestKeeper
May - Sept. 2014

GIS & Intern Coordinator — Kernville, CA
- Designed organization's geospatial database; redesigned *Adopt a Sequoia* database in Access.
- Prepared and presented final reports for use in litigation and community education.

Charles River Watershed Association
Dec. 2011 - May 2013

GIS Intern & Water Quality Volunteer — Weston, MA
- Developed report illustrating possible spawning habitat for native fish.
- Assisted in monthly monitoring program to collect baseline water quality data.

Volunteer Experience

Redwood Region Audubon Society
Sept. 2015 - Dec. 2016

Membership Co-Chair — Eureka, CA
- Supported local Audubon chapter's membership by creating and distributing renewal notices, processing online donations, and maintaining membership database.

Native Plant Society
Sept. 2015 - Dec. 2016

EcoNews Editor — Eureka, CA
- Compiled and edited articles for local Native Plant Society's newsletter.