

Rebecca Loiselle

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Objectives

- Entry-level programmer with skills in web development, data analysis, graphical display, and large relational databases
- Driven by a natural curiosity and a tenacious and creative solver of problems
- Interested in dynamic and collaborative work environments, which would challenge my growing skills

Skills

- **Web Development:** Ruby, JavaScript, jQuery, HTML, CSS, SQL, Sinatra/Rails, Git/GitHub
- **Databases:** DataMapper, SQLite3, ActiveRecord, PostGres, MS Access
- **Data Analysis:** R- *The Statistical Program*, ESRI- ArcGIS
- **Other:** Agile project management, Paired programming, Code review, Refactoring, Regular expression, Test-driven-development, Versioning control, API's, JSON/HTTP request/responses

Experience

Portland Code School, OR *Junior Web Developer*

2013

Awesome Hoodie Project:

- E-commerce website for non-profit organizations (Stumptown Syndicate, Portland Code School, PDX.rb, Code Scouts)
- Migrated a Bootstrapped website into a Sinatra framework and deployed it onto Heroku with a fully integrated with PayPal payment system
- It utilizes DataMapper with SQLite3 and parses data returned from PayPal Instant Payment Notification

Exercism.io

- Independent contribution to Open Source projects
- Pull request approved JavaScript code contribution for application exercises
- Set up development environment, identify addressable issues, collaborate with administrator/collaborators

Roller Derby Stat App:

- An ongoing personal project comparing roller derby team statistics with the aim to learn more about Rails, Active Record, and D3 JavaScript
- A Ruby on Rails application, utilizing Google maps for comparing team statistical data, with API calls to Rinxter.net, parsed and integrated into a database
- The site uses Active Record, PostGres data management, and D3 JavaScript for analyzing and displaying data

U.S. Geological Survey, Newport, OR **2009 – 2013**
Bio. Sci. Tech. - Data Analysis

- Transferred research report content into web pages using HTML/CSS, important as an educational tool in communicating science to the public – [Online Report 1](#), [Online Report 2](#)
- Developed R scripts for automating data analysis and data visualization tasks for large historical datasets, resulting in increased productivity in project development – [R project](#)
- Investigated and documented formatting needs for different spatial data types with the goal of automating data modeling tasks in ArcGIS and in R and increasing the performance of analyses
- Manual testing and debugging of environmental modeling software assisted in improving model performance and documentation for user guide and technical manuals – [Sea Level Affecting Marshes Model](#)

Education **Portland Code School, OR** **2013**

- A 12 week intensive program, learning hard and soft web development skills
- Emphasis on Ruby, Ruby on Rails, JavaScript, HTML, CSS, jQuery, Git/GitHub, Test-Driven-Development, Agile project development, and pair programming

Fisheries and Wildlife Service- NCTC, PA **2010**

- Statistical Concepts and Data Modeling Using R.

U.S. Geological Survey- Webinar training seminars **2009**

- GIS and Statistical Concepts

Michigan State University, MI **2006**

- B.S. Fish & Wildlife Management

Affiliations

- PDX.Rb Hack + Help
- Stumptown Syndicate
- Code Scouts
- Portland Code School
- Women in IT

Volunteer Experience

- Central OR Coast Roller Derby League – Newport, OR **2010 – 2012**
(President/Co-founder/Training Coordinator)
- Newport public schools - Newport, OR. **2010 – 2011**
(Environmental Educator)
- Sankofa Youth Development – Aiken, SC **2008**
(Program Coordinator)