

# Rebecca Loiselle

2270 NW Savier St. Apt 435 Portland, OR 97210  
T: 541.270.8872 E: [rebecca.loiselle@gmail.com](mailto:rebecca.loiselle@gmail.com)



## Objectives

- Computer 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](#)
- Created and formatted spatial data layers for 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

**Oregon State University** **2012**

- Water Resources Policy and Management graduate level coursework

**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)*