

# Judy Long

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Boston, MA



## Experience

### Developer I · Bluewolf, an IBM Company

2016 - present

- Developed technical solutions for continuous innovation of client Salesforce organizations
- Worked in agile environment with TDD and pair-programming

### Teaching Assistant · Wheaton College

2013 - 2014

- Assisted over 40 students with experimental set-ups and guidance in laboratory report write-ups for Modern Physics, Introductory Circuits, and Experimental Physics courses

### Physics Research Assistant · Wheaton College

2012 - 2012

- Operated dye laser, oscilloscope, etc. to investigate several solid state systems
- Performed visualization and analysis of over 50 sets of data

### Chemistry Research Assistant · Wheaton College

2011 - 2012

- Gathered over 15 sets of absorbance and fluorescence spectroscopy data to investigate the properties of Spiropyran

## Skills

Salesforce	Ruby	JavaScript	jQuery	Backbone.js	TDD
SVN	Ruby on Rails	HTML5/CSS3	SQL	Git	AWS

## Education

### App Academy

2015

- Full-stack web development course with emphasis on TDD, pair-programming, and best practices, acceptance rate < 3%

### Wheaton College magna cum laude, Phi Beta Kappa

2010 - 2014

- BA Physics, Major GPA: 3.94, Overall GPA: 3.79
- Curriculum Highlights: Scientific Computing, Cryptography, Differential Equations, Linear Algebra, Logic, Optics, Remote Sensing, Oceanography & Meteorology

## Projects

### Villain-E (Ruby on Rails, Backbone.js, jQuery)

[Live](#) | [Github](#)

*Villain-themed crowdfunding site inspired by Kickstarter*

- Responsive single-page Backbone app with RESTful Rails API on the backend
- Extends Backbone Views to create rich composite layouts
- Leverages event listeners to dynamically alter DOM content in real-time
- Allows login with Facebook via OmniAuth for seamless UX

### Pikachu Run (JavaScript)

[Live](#) | [Github](#)

*Browser version of classic arcade game Snake with Pokemon theme*

- Implements prototypal inheritance to maintain DRY code
- Uses jQuery to efficiently update the DOM by only altering DOM element classes

### ActiveRecord Lite (Ruby)

[Github](#)

*An Object Relational Mapping (ORM) inspired by the functionality of ActiveRecord*

- Utilizes modules to imbue the SQL model class with additional functionality for searching and associations
- Leverages metaprogramming to dynamically generate complex SQL queries