

# Jackson Lee

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## EXPERIENCE

### **Web Developer, HowAboutWe**

**Apr 2015 – June 2015**

- Improved functionality and added new features to main site using RoR, CoffeeScript and Haml.
- Assisted in UX decisions by gathering metrics data from MySQL and PostgreSQL DB for various A/B tests.
- Managed generated emails and reports sent to users by codebase using Exact Target.
- Cleaned up obsolete features from code base based on A/B testing and ensured test coverage passes using Jenkins

### **Web Development Immersive | Jr. Web Developer, General Assembly**

**Oct 2014-Jan 2015**

#### *Pique*

- Mobile networking platform built on Rails that allows like-minded professionals to meet and connect.
- Integration of several APIs including LinkedIn, Meetup, Dribbble, Github.
- Developed into a startup and backed by 500 Startups.

#### *In-Loop*

- Full-Stack Rails app that assists hospitals to determine patient's estimated time of arrival to improve waiting time
- Worked using Agile Development methodology; Team consisted of 1 PM, 1 UX/UI designer and 3 developers.
- Final product was presented in front of panelists, judges and companies.

#### *Have.It*

- Developed single-page inventory web application for a client using Ruby on Rails, Javascript and Backbone.js.
- Integrated several Ruby Gems, such as Devise and Paperclip, to improve functionality.
- Deployed to Heroku.

### **Co-op Packaging Engineer, Vicor Corporation**

**Jan 2012-Jul 2012**

- Improved the shelf life of products 1200% through adhesion testing of packaging materials.
- Decreased occurring failures in products 80% by identifying failing supply line equipment.
- Innovated benchmark test protocol to analyze V-I Chips with higher design parameters through collaborations with other development teams.

### **Student Researcher | Eric Baer group, Center for Layered Polymeric Systems**

**May 2011-May 2014**

- Developed new shape memory polymer system that possesses higher recoverable large strain capability than conventional shape memory polymers.
- Proved that gradient-index optical lenses possess better optical properties than human eyeballs to produce a high quality surgical-implantable lens.

### **Volunteer, Great Lakes Science Center**

**Jan 2010- May 2014**

- Instilled an interest in chemistry and general science for children in organizations by educating and performing scientific demonstrations.

## SKILLS

- **Javascript:** jQuery, Backbone.js, Handlebars.js, Underscore.js, CoffeeScript, Node.js
- **Ruby:** Rails, Sinatra
- **Python:** Unit Test
- **TDD:** Rspec, Jasmine, Capybara/Selenium
- **Databases:** PostgreSQL, MySQL, Redis
- **APIs:** AJAX, OAuth, Google, Geolocation
- **Git:** Github, Jenkins
- **HTML5/ CSS:** HTML Email Campaigns, Haml, Bootstrap, Bourbon, Materialize
- **Exact Target, A/B Testing, Amazon AWS, ElasticSearch, ZenDesk, Solidworks, Microsoft Project**

## LANGUAGES

- English(Fluent); Spanish(Proficient); Japanese(Conversational); Cantonese(Conversational)

## EDUCATION

### **Case Western Reserve University (CWRU)**

*Bachelors 3.03/4.0*

- B.S., Chemical Engineering; Polymer Science Concentration
- B.S., Polymer Science and Engineering
- Minor, Japanese Studies