

Jacob Ayala

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Key Strengths

- **Programming Background:** Experience using **HTML, CSS, Javascript, and Ruby on Rails**. Familiar with **Git, Responsive Design, MVC architecture, Test Driven Development, Object Oriented** and **Functional** programming paradigms. Additional interest in **Android** development and software design methodologies such as **UML**.
- **Customer Service Background:** Previous experience in sales and customer support. Communicating with clients and customers in a technology based setting before, and after, becoming a programmer. Clarifying needs and requirements with customers and working in groups and individually to address those needs.

Education

BACHELORS DEGREE | MAY 2014 | UNIVERSITY OF IOWA – COLLEGE OF LIBERAL ARTS AND SCIENCES

- Major: Computer Science | Minor: Spanish Language
- Activities: I was a member of the student chapter of the Associates of Computing Machinery club. Group meetings involved talking discussing current projects and coursework with other students. We attended computing conferences in the Fall and hosted our own computing conference in the Spring.

Work Experience

WEB DEVELOPER | TIE FLY DIE LLC. | AUGUST 2014 – AUGUST 2015

- Interned for a start-up company operating under the Tie Fly Die LLC. Working as a Ruby on Rails developer, building web pages and integrating APIs, like Twitter and Instagram, into applications. Partnering with another developer, we backed up and merged changes to an application through Github. Both developers work off of separate branches until a particular feature was satisfactory and then merged into the master. Hosting is done through Amazon EC2 instances. We often use tmux and wemux in bash shell and vim for text editing. Also wrote test cases for models, controllers, and views using Rspec, FactoryGirl, Faker, and Capybara.

INTERN/VOLUNTEER WEB PROGRAMMER | REDI | NOVEMBER 2013 – NOVEMBER 2014

- Volunteered for the nonprofit organization Rural Empowerment & Development Innovations. Their site, re-di.org, was hosted on Amazon Web Servers. It was a static page with CSS framework written from scratch by myself and another intern. Before this, REDI had no webpage and in the design process we worked with one of the members to determine what kind of layout they were looking for and how we could best meet those needs given our skill sets and available time. We went through various drafts, shared files and updates via Dropbox and email, and also had meetings face to face and via Skype. The other intern left before me and I rebuilt the site from the ground up using the Bootstrap framework.

WEB PROGRAMMER | THE UNIVERSITY OF IOWA FOUNDATION | JUNE 2013 – FEBRUARY 2014

- Worked as a student employee for the Web Communications team. The site, uifoundation.org, was dynamic and built on WordPress and the Bootstrap CSS framework. I created pages and implemented plug-ins through WordPress, hand-coded pages and implemented a script that displays fundraising information across the different college campaign pages. Aside from working with PHP, Javascript, JQuery, CSS, and WordPress, I also reverse engineered some XML and Perl scripts. When building out new campaign pages and modifying existing scripts, it was necessary to reach out to co-workers and partners to gather necessary content and information to meet the criteria for how the page should look and what content it should contain. Much of the communication was done either face to face or via email.

SALES CONSULTANT | BEST BUY MOBILE | SEPTEMBER 2008 – SEPTEMBER 2013

- Sold mobile phones and cell phone service and provided troubleshooting for customers with technical issues on their devices. Much of this included general setup steps and hands-on training for the customer, as well as troubleshooting software and hardware defects with the device. As part of my work and training there, I followed a customer service model to provide each customer with a unique and pleasant experience when transitioning to a new device.