

Michael Hines

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Objective

To apply my creative talent and knowledge of algorithms and user interfaces for the design and development of groundbreaking projects through the use of bleeding-edge technologies on the Internet and in social media

Skillset

Experienced in Ruby/Rails, CoffeeScript/JavaScript, HTML/Haml, Sass/CSS, RSpec, Jasmine, jQuery, C#, SQL

Experience

Software Engineer

May 2010 - Present

Groupon, Inc.

Chicago, IL

- Worked on a team of developers to deliver *Groupon Now!* using *Rails*, *jQuery*, *Backbone.js*, *Mustache*, *Sass*, and *Haml*
- Pioneered a new team to completely redesign public and private *RESTful JSON & XML APIs* at feature parity with site
- Developed draft-compliant *OAuth2* implementation for secure authentication with affiliates and users on mobile apps
- Spiked on several personal side-projects which led to use of new technologies and *SOA* design patterns across teams
- Presented "Writing Clean JavaScript Specs with Jasmine" at *Chicago Ruby*, the largest *Ruby on Rails* user group in Chicago

Software Engineering Intern

May 2009 – May 2010

Common Ground Publishing

Champaign, IL

- Key contributor to the development of the *Common Ground Publishing* platform using *Ruby* and the *Rails* framework
- Developed e-commerce system for multi-million dollar revenue stream through *Authorize.Net* and *ActiveMerchant*
- Configuration and administration of a Linux server running *CruiseControl.rb*, *Passenger (mod_rails)*, and *Apache2*

Research Assistant

January 2006 – December 2009

Department of Computer Science UIUC

Professor Samuel Kamin

- Published co-author at the 2008 *SIGCSE* conference of "A System for Developing Tablet PC Applications for Education"
- Developed a system for cooperative and mediated learning through Tablet PCs using *C#* and the *.Net Framework*
- Created much of the framework and core functionality for the project's extensibility features in *Python*

Course Staff

January 2006 – May 2008

Department of Computer Science UIUC

CS173 Discrete Mathematics, CS225 Computer Data Structures

- Planned and designed creative *C++* projects to introduce students to complex data structures
- Led open review sessions before midterm and final exams
- Held office hours and assisted students with homework and course topics

Education

University of Illinois at Urbana-Champaign

Graduated May 2010

Bachelor of Science in Computer Science

Specialization in Human-Computer Interaction