

Tom Jakubowski

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I am a self-taught developer seeking to apply my personal experience with writing web applications to work on applications in a professional environment. I strive to write concise, maintainable code. My language of choice is Ruby, but I also have experience with Python and Javascript. I am a test-driven development enthusiast.

Education

University of California, Irvine

B.S. Chemistry, 2010. GPA 3.37 overall, 3.54 in major.

Graduated with Departmental Honors.

Received Hypercube Scholar Award for excellence in computational chemistry research.

Skills

Technical skills

I have two years of experience writing scripts and applications in Ruby and Python. I have worked independently with the Rails and Sinatra web frameworks for about one year, using Git for source control and RSpec/Webrat for unit and integration testing. I am familiar with SASS, HAML, ERB, and Markdown for DRY styling and templates. I have a working knowledge of RVM, Bundler, and Rubygems. I have some past experience with JavaScript (jQuery) and Python.

Personal skills

I am a keen problem solver. When appropriate, I like to take new, experimental approaches to problems, but will not shy away from well-established ones. I am always looking for something new to learn about and try out. I work very well as part of a small team, and pick up skills and adapt to changes rapidly.

Experience

Independent web developer

2011–

Built on existing computer programming experience to learn Ruby on Rails, Sinatra, and Git. Worked on a Rails engine ([RESTbook](#)), built a Rails application for transit-oriented business searches ([yumMetro](#)), rewrote my personal website ([Crystae](#)) as a Sinatra app, and built a cellular automata web service on Sinatra ([Automatra](#)). The source repositories of my best work are available on my [Github page](#).

Andricioaei Group, UC Irvine

Jr. Research Specialist — 2010–2011

Performed original research in computational chemistry, specifically involving protein dynamics. Ran several Monte Carlo and molecular dynamics simulations. Wrote scripts in Python using NumPy to analyze very large data sets.

Paul Merage School of Business

Helpdesk Assistant — 2009–2010

Provided computer support for faculty, staff, and graduate/MBA students as part of a small team. Used specialized knowledge of Mac OS X to assist in deployment of official Mac support to MBA students and select faculty, including writing documentation. Provided some training and supervision of newly hired student assistants.

UCI School of Biological Sciences

Helpdesk Assistant — 2007–2008

Provided Mac and Windows support to faculty, staff, and graduate students.