

Nico Ritschel

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Education

2014 **Informatics**, *University of California*, Irvine.
(Expected) Software Engineering

Experience

- Sep. 2012– **Software Engineer Intern**, *Hedgeye Risk Management*, Dana Point, CA.
Present I work on an Agile team with a 1 week release cycle working on a legacy Rails 2 application and a handful of complementary Rails 3 applications. My primary duties include fixing bugs and implementing new features, both internal and client-facing. I also configured a Jenkins continuous integration server, and time-savers like Github's Janky, Hubot (I even wrote an official script, see Github). Tools and technologies used: Ruby, HAML, Javascript, Coffeescript, node.js, Salesforce API, Paypal API, Github, Pivotal Tracker.
- Aug. 2012– **Undergraduate Research Assistant**, *Software Design and Collaboration Library*, *University of California*, Irvine, CA.
Jan. 2013 I added adding domain-specific (air traffic design) features for NATS to sketching software, Calico (<http://sdcl.ics.uci.edu/research/calico/>). I implemented a geographical distance calculation, utilizing the Haversine formula, along with a series of other requested tools. Tools and technologies used: Eclipse, Java, Swing, Github.
- Sep. 2011– **Lab Tutor**, *University of California*, Irvine, CA.
Dec. 2011 I assisted students working in lab with weekly test-driven, pair-programming assignments in Scheme, a LISP derivative.
- June 2010– **Web Developer Intern**, *AECOM*, Los Angeles, CA.
Sep. 2010 I joined the waterfall-based web team, learned a bit about an enterprise-grade Content Management System, Vignette and JSP. I developed a survey/poll script for use in a corporate intranet site for 50,000 global employees. I also assisted with load-balance testing and aided in optimization of the Vignette CMS. Tools and technologies used: JSP, Oracle RDBMS, HTML, CSS, Javascript, jQuery.

Technical Interests

Languages	Ruby, Java, Javascript, Coffeescript, Python, PHP, Scheme
Unix	OS X, Debian
Back-end	Rails, Sinatra, Node.JS, Grape
	Relational DB MySQL, PostgreSQL, MongoDB
	Front-end HAML, SASS, Backbone.js, jQuery

Projects

- Sqaqr I participated in Rails Rumble 2012, with a modest project. Myself and a partner, Chandra Bhavanasi, developed a web-based step sequencer for music production. We had planned to implement some EventMachine-based collaboration features, but found ourselves short of time due to unforeseen problems with deploying on a new configuration.