



IVAN TAM

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PROFILE

I am a software developer with a focus toward information architecture, information design, and other bits of Web plumbing. I also have a particular interest in web services that make information available, accessible, and actionable. As a practitioner of open standards, I strive to craft elegant solutions that play well with the Web.

SKILLS

Proficient in **Python** and **Javascript**. Experience with **Ruby**, **PHP**, **C**, **C++**, **Java**, and **Perl**. Experience with Web 2.0 tools and technologies including **AJAX**, **jQuery**, **JSON**, **XML** and **XSLT**. Web services experience with **SOAP** and **REST** architectures. Web application framework experience with **CherryPy** and **Ruby on Rails**. DBMS experience with **MySQL**, **PostgreSQL**, **SQLite**, and **Berkeley DB XML**. Have worked with a variety of version-control systems including **CVS**, **SVN**, **Perforce**, and **git**. Experience with issue-tracking systems including **JIRA**, **Bugzilla**, and **TRAC**. Experience with **Linux** and **OSX** as primary development environments.

EXPERIENCE

FRONT-END DEVELOPER, SPLUNK; SAN FRANCISCO, CA — MAY 2006 — MAY 2009

At Splunk, I started as one of two engineers developing an API that allowed both the web and command-line interfaces to interact with the backend through a single common component. In 2007, I joined a team of 7 engineers in developing the web application framework and the Javascript client. There, I started with implementing new features in the existing product, but by 2008 the team had transitioned into rebuilding both the web application and the client from the ground up. The team practiced agile development techniques and mandated both code reviews and unit testing.

I was responsible for features in the user-interface that allowed users to tag assets in the system, export result sets in a variety of data formats, and to customize how results are displayed depending on the content of the results. I also designed and implemented a component that, based on a vocabulary of "intentions", allowed developers to manipulate search query strings without having to parse or directly manipulate the query themselves.

GRADUATE STUDENT INSTRUCTOR, UC BERKELEY; BERKELEY CA — SEPTEMBER 2005 — MAY 2007

In the fall of 2005, I joined a teaching team of three professors and four student instructors to teach a new undergraduate course in computer security. Working with the professors, the student instructors helped develop test materials, led student discussion sections, and mentored students on course projects and course material. In course surveys, I rated 4.4 out of 5 in teaching effectiveness.

Starting in the spring of 2006, I joined a teaching team of one professor and six student instructors. In lab sections, myself and the other instructors helped students learn and understand the basics of HTML, CSS, and Javascript.

STUDENT RESEARCHER, UCLA; LOS ANGELES CA — JUNE 2004 — JUNE 2005

While a student in the Department of Linguistics, I developed a website crawler to help build a corpus of Tagalog, a Philippine language. The corpus was used by Prof. Kie Zuraw to investigate the viability of using text on the web for phonological linguistic research. I also developed a toolkit to aid a PhD candidate in parsing and analyzing phonological datasets.

EDUCATION

University of California, Berkeley, CA — Masters, Information Management and Systems, 2007
University of California, Los Angeles, CA — Bachelors, Linguistics, 2005