

Nicholas M. Lau

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POSITIONING STATEMENT

Software Developer with strategic vision. Quick learner, able to take novel situations and independently resolve them. Utilizes comprehensive research skills and technical ability to devise and implement effective solutions. An engaged team player, can clearly communicate my work and results to my team. Known for efficient time management and creative problem solving skills.

SKILLS

Programming Languages

Java, C/C++, Python, Ruby, PHP, HTML, CSS, JavaScript, SQL

Editors/IDEs

Sublime Text, Vim, Emacs, Eclipse, Xcode, IntelliJ

Technologies

OS X, BSD Unix, Linux, Maven, Git, SVN, JIRA, J2EE, SSH/FTP, Unit Testing, Ruby on Rails, JAX-RS, JSON, SaaS, REST, Node.js

WORK EXPERIENCE

TIBCO Software Inc.

2014-2015

Software Developer (Member of Technical Staff)

- Working with a team of 20 people on a research project. Developing connectors in Java that transfer data across APIs such as Wufoo, SurveyMonkey, Yelp, and Facebook.
- Researching SaaS/REST APIs and strategizing best practices for consumer utilization.
- Moving data using JAX-RS and JSON, using MySQL database for persistence.

Fair Isaac Corporation

2012

Front-End UI Developer Intern

- Modernized the Falcon Fraud Manager webapp's UI with Bootstrap, HTML, and CSS.
- Developed automated tests (Java) using Selenium Webdriver that reduced testing time.
- Later that year, Falcon Fraud Manager went on to receive a "Best-in-Class" designation in all four Enterprise Fraud Management Solution categories from CEB TowerGroup.

PROJECTS

JavaScript Game

- Studied JavaScript through lectures and tutorials. Practiced by solving Euler Project problems and implementing various algorithms. Studied MDNs Game Development Guide.
- Building 2D Games with the open source Phaser Framework.
- Blog Post: nicklau.io/blog/2015/12/07/learning-javascript/

Raspberry Pi Alarm Clock

- Built a Raspberry Pi Alarm Clock that integrates with Google Calendar.

- Used the GPIO and LIRC to setup a socket that listens for infrared signals.
- Blog Post: nicklau.io/blog/2015/12/01/raspberry-pi-alarm

Independent Study: Ruby on Rails

- Spent 200+ hours learning Ruby on Rails and building apps, including: Photo Uploader, Database Backed Blog, Static Octopress Jekyll Blog.
- Hosted at: nicklau.io//blog/2014/06/13/learning-ruby-on-rails/

QR Concentration Game

- Independent project to make a QR code based game (in Processing) for kids at a low income day care center.

EDUCATION

University of California San Diego, 2009 – 2013
Computer Science, B.S.

RELEVANT COURSEWORK

Computer Organization and Systems Programming
Object Oriented Design, Advanced Data Structures
Design and Analysis of Algorithms
Software Engineering
Operating Systems

Compiler Construction
Server-side Web Applications
Programming Languages: Principles and Paradigms
Project/Computer Architecture
Team Engineering

PERSONAL INTERESTS

Hockey: Played for the UCSD club team. Vice president and co-captain of High School team, won Division Championships 4 times. Coached High School Junior Varsity team. Played in AAU Junior Olympic Games for Inline Hockey.

Traveling: Backpacked around Asia for a few months. Visited Vietnam, Hong Kong, and Japan. Travel blog posts available at: nicklau.io/blog/categories/travel/