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)
- Worked with a team of 20 people on a research project. Developed connectors in Java that transfer data across APIs such as Wufoo, SurveyMonkey, Yelp, and Facebook.
- Researched SaaS/REST APIs and strategized best practices for consumer utilization.
- Moved 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 Web App's UI with Bootstrap, HTML, and CSS.
- Developed automated tests (Java) using Selenium WebDriver that reduced testing time.
- Later that year, Falcon Fraud Manager received the "Best-in-Class" designation in all four Enterprise Fraud Management Solution categories from CEB TowerGroup.

PROJECTS

2D JavaScript Game   **2016**
- Studied JavaScript through lectures and tutorials. Practiced by solving Euler Project problems and implementing various algorithms. Studied MDNs Game Development Guide.
- Built 2D Games with the open source Phaser Framework.
- Blog Post: nicklau.io/blog/2015/12/07/learning-javascript/

Raspberry Pi Alarm Clock   **2016**

- Built a Raspberry Pi Alarm Clock (in Python) 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   **2015**
- Spent 200+ hours learning Ruby on Rails and building apps, including: Photo Uploader, Database Backed Blog, Static Octopress Jekyll Blog.
- Blog Post: nicklau.io/blog/2014/06/13/learning-ruby-on-rails/

QR Concentration Game   **2012**
- Independent project to make a QR code based game (in Processing) for more than 30 K-12 kids at Town and Country, 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	Compiler Construction
Object Oriented Design, Advanced Data Structures	Server-side Web Applications
Design and Analysis of Algorithms	Programming Languages: Principles and Paradigms
Software Engineering	Project/Computer Architecture
Operating Systems	Team Engineering

PERSONAL INTERESTS

Hockey: Played for the UCSD club team. Vice president and co-captain of Mountain View 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/

Other Interests: I love to learn. Read about my various interests online at: nicklau.io/about/#interests. Blog posts on various hobbies at: nicklau.io/blog/categories/hobby/