

# Nicholas M. Lau

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[www.nicklau.io](http://www.nicklau.io) | [github.com/nmlau](https://github.com/nmlau)

## POSITIONING STATEMENT

Software Developer with strategic vision. Quick learner, able to take novel situations and independently resolve them. Utilize comprehensive research skills and ability to precisely implement viable 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

Linux, Maven, Subversion (SVN), JIRA, SSH/FTP, Unit Testing (JUnit), Selenium Webdriver, Ruby on Rails, Jax-RS, Json, SaaS, REST, Git

## 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 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 received a "best-in-class" designation in all four enterprise fraud management solutions 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 a 2D Game Vim-based Shoot-em-up with the open source Phaser Framework

### Raspberry Pi Alarm

- Built a Raspberry Pi Alarm that integrates with Google Calendar
- Blog Post: [www.nicklau.io/blog/2015/12/01/raspberry-pi-alarm/](http://www.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 Jekyll Blog
- Hosted at: [www.nicklau.io](http://www.nicklau.io)

**QR Concentration Game**

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

**Database Specialist for Crossfit App**

- Created database and developed schema for Crossfit webapp using MySQL, wrote php code for dynamic webpages for 9 teammates.

**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 available at: <http://www.nicklau.io/>