

**CHRIS KNADLER**

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cknadler.github.com

**INTERESTS**

Backend web engineering, tools development, creating APIs, designing grammars, compiler engineering, open source software, test (and behavior) driven development, pair programming and thorough documentation.

**EXPERIENCE****MOBILE DEVELOPER, HP; SAN JOSE, CA — MAY '12 - AUG '12**

Developed an iOS app from scratch that integrated with Microsoft SkyDrive, iCloud, CoreLocation and MapKit.

**WEB DEVELOPER, FREELANCE; DISTRIBUTED — DEC '11 - MAY '12**

Performed site updates and additions mainly through Fluxar Studios. Work done in PHP and Ruby on Rails.

**PROGRAMMING TUTOR, CHICO STATE; CHICO, CA — AUG '11 - DEC '11**

Tutored and lectured for four sections of students from CSCI 111: Intro to Programming and CSCI 311: Data Structures and Algorithms. Both classes were taught in C++.

**WEB DEVELOPER, NEW I WORLD; CHICO, CA — FEB '11 - DEC '11**

Developed a Ruby on Rails application at a small startup. Goal was to convert a PHP E-Commerce site to Rails and implement a test suite using RSpec.

**EDUCATION****CALIFORNIA STATE UNIVERSITY, CHICO — AUG '09 - JUNE '13**

Major: Computer Science | GPA: **3.56** major (3.2 cumulative)

**OPEN SOURCE => GITHUB.COM/CKNADLER**

**HKL**: A programming language built from scratch using flex, Bison, C99 and no external libraries. It is intended to be a "patterns friendly version of Lua".

**MarkTab**: A concise, machine readable, guitar tab language. Built using flex, Bison, C99 and Ruby.

**RComp**: Testing terminal application output made easy. Designed initially to be an output testing framework for programming languages. Written in Ruby with Thor.

**SKILLS**

**Programming Languages**: C, C++, Clojure, Objective-C, Ruby, Javascript, Bash, VimScript, \*HKL

**View Languages**: HTML, HAML, CSS, SASS, ERB, Markdown

**Testing**: RSpec, Cucumber, test/unit, mocha (ruby), mocha (js), phantom.js, \*RComp

**Frameworks**: Cocoa Touch, Ruby on Rails, Node.js, JQuery, Thor, Commander

**Tools**: Vim, Xcode, git, flex, Bison, Jison, gdb, CMake, GNU Autotools, Doxygen, YARD

**ORGANIZATIONS**

Computer Science Honors Society (**UPE**), **President** - JAN '12 - CURRENT

Chico State Linux Users Group (**CSLUG**), **President** - AUG '10 - JAN '12

Association for Computing Machinery (**ACM**), **Member** - FEB '11 - CURRENT