

Cameron McKinnon

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Work Experience

- January 2012 - April 2012 (in progress). Four month software engineering internship at [Lolapps](#). Working with a team of engineers to push out new features and fix bugs for Lolapps' next social flash game. Using ActionScript 3.0 and Python.
- May 2011 - August 2011. Four month software engineering internship at [SugarCRM](#). Worked with the engineering team on the core PHP/JavaScript-based product - created new features, fixed bugs, and improved existing features.
- September 2008 - September 2010. Two years indie game development + freelance programming (web, desktop). Released 5 successful indie [flash games](#), and worked on freelance projects for clients around the world and locally.

Achievements

- Won the first [WSOH](#) (World Series of Hack 2011), a competition hosted by Mozilla wherein 300 software interns from Silicon Valley competed to build projects from scratch in 12 hours. Built a browsing history analytics tool for users ([getsurfcontrol.com](#)).
- One of 20 national finalists for the [CCC](#) 2010 programming competition (view [results](#)).
- Obtained 1st degree blackbelt in [Shotokan Karate](#).
- Top ten national chess finalist for age group (1998 and 2002).

Skills

- Functional Programming: Experience with Scheme (Racket and R6RS). Familiar with functional programming concepts and able to apply them in other languages.
- Web Development: Years of experience developing PHP applications in LAMP/MAMP environments. Currently learning Python, Rails, and node.js.
- JavaScript and ActionScript: Years of experience developing games and JavaScript projects.
- Algorithms and data structures: Deep understanding of most popular algorithms and data structures. Favorite data structures: bloom filters, and tries.

Coursework

- Math 249 - Advanced Intro to Enumeration and Graph theory. Connectivity, planarity, matchings, colorings.
- CS 241 - Introduction to compilers. Wrote a compiler from a C-style language to MIPS.
- CS 145 - Advanced first-year CS. Covers a year's worth of CS and more in 3.5 months.

Favorite Tools - OS X, iTerm 2, Sublime Text 2, Github, Google Chrome.

Interests - Karate, Starcraft, kayaking, chess, fencing, music.

On the web - [StackOverflow](#), [LinkedIn](#), www.cammckinnon.com

References - provided upon request.