

KEVIN MCSWIGGEN

340 E. Foothill Blvd. – Claremont, CA 91711 – (513) 373-6686 – kmcswiggen@hmc.edu
<https://www.cs.hmc.edu/~kmcswiggen/>

OBJECTIVE: Full-time development position at a friendly and exciting tech company.

EDUCATION:

HARVEY MUDD COLLEGE, Claremont, CA

B.S. Computer Science; Concentration in Philosophy Expected May 2016 Major GPA: 3.2

Dean's List Fall 2014, Fall 2015

Relevant Coursework:

Computer Science Clinic; Algorithms; Software Development (Objective-C); High-Performance Computing (C++); Computer Networks; Programming Practicum; Artificial Intelligence (Python); Programming Languages (Haskell); Computer Systems (C); Data Structures & Program Development (C++); Computability and Logic; Image Processing Lab (Python)

Academic Programming Experiences:

Worked in a 4-person team to design and implement an educational game for the iPad; implemented reinforcement learning algorithms to teach a simulated robot agent how to move with one limb; made a proxy in C that injects "Never Gonna Give You Up" into webpages; created a command-line spellchecker which can run using either custom linear-probing hashset or AVL tree implementations

SKILLS:

- Programming languages: proficient with C++, C#, JavaScript, Python; knowledgeable in Haskell, Java, Objective-C; familiarity working with Prolog, Racket, x86 assembly; currently learning Lua
- Curricular development experiences: working with a team on a year-long project as part of clinic; small- and medium-scale program design and development; writing and refactoring code for performance; complex data structure use and implementation; debugging at program and assembly level.
- Proficient with: Windows and Unix operating systems; Microsoft Word, Excel, PowerPoint; LaTeX; Adobe Photoshop, Flash, Illustrator; GIMP.

WORK EXPERIENCE:

Grutor, Harvey Mudd College

Fall Semester 2015

Grading assignments and helping students with labs and homework for HMC's Programming Languages class, helping them toward a deeper understanding of the theory and practice of languages.

Staff Member, Harvey Mudd CS Student Staff

June–August 2015

Learned about and helped to maintain the Harvey Mudd CS department servers.

Designed a website for HMC's introductory CS course to demo server-side student projects, and as a template for students to build from as they start to integrate web technologies into the class.

Intern, Windward, Boulder, CO

June–August 2014

Designed and implemented an authentication system for a web app built on the .NET Framework; thrown in head-first to learn by doing, taught myself JavaScript and C# and about web dev and security.

Created a small user account system and login portal using JavaScript and Razor to demonstrate integration of the authentication system on an OEM website.

Intern, VisionLink, Boulder, CO

June–August 2013

Analyzed, and designed visualizations for, data from career learning programs at California high schools to help improve the public school system.