Russell McClellan

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Profile

I'm a software developer with a passion for music, computers, and electronics.

Work Experience

2009-2012 Software Developer, Mark of the Unicorn, Cambridge, Massachusetts

- Developed and maintained large software projects (2M+ lines) for musicians in C++

2008 Software Intern, Line 6, Calabasas, California

- Contributed meaningfully to several products, including creating the database back-end of a portable sound recorder in C, and experimenting with guitar processing on embedded platforms in ARM assembly

2006-2009 Teaching Assistant, Caltech, Pasadena, California

- CS 2. Introduction to Programming Methods - An introductory CS class in Java
- CS 171. Introduction to Computer Graphics - C++ graphics with and without APIs
- CS 101 Special Topics in Computer Science - General Purpose GPU Programming

2006-2009 IMSS House Representative, Caltech, Pasadena, California

- Administrated, expanded and maintained my dormitory's web servers and printers

Education

2009 B.S. in Computer Science, California Institute of Technology, Pasadena, CA. GPA 4.0+

Technical Skills

- Programming languages - I'm best at C++, JavaScript(CoffeeScript), and Haskell. I am comfortable debugging x86/amd64 assembly.
- Basics of digital embedded system design. I've wire-wrapped and programmed firmware for a complete 80188-based computer and I've worked with DSP56K chips.
- Basic knowledge of DSP algorithms, especially for audio effects.