

**Address** 2601 Channing Way #302  
Berkeley, CA 94704  
**Telephone** (408) 621-5937  
**Email** andrewhao@berkeley.edu  
**Personal Site** http://www.g9labs.com

## Education

**University of California, Berkeley**  
Sept. 2004 – Current  
Berkeley, CA

**B.S. Electrical Engineering Computer Science**  
**B.A. Mass Communications**  
Expected graduation: May 2008; Senior standing; Cumulative GPA: 3.51

## Relevant Courses & Qualifications

**Computer Science 61A** Using the SCHEME (LISP dialect) language, focused on the concepts of functional programming, recursion, rule-based and data-directed programming  
Structure and Interpretation of Computer Programs

**Computer Science 61B** Extensive exploration of high-level data structures in Java and the challenges of developing large programs.  
Data Structures

**Computer Science 61C** Introductory course to machine architecture and operating systems. Principles of memory management using C and MIPS assembly languages. Elements of computer logic design.  
Machine Structures

**Computer Science 186** Inspected all database components, from low-level buffer management to SQL & relational calculus to concurrency control and system crash recovery. Modified PostgreSQL engine to implement 2Q buffer strategy in the buffer manager and to handle a Hybrid-Hashing algorithm on aggregate queries; developed a fully functional restaurant-review web application in PHP (powered by AJAX).  
Introduction to Database Systems

**Electrical Engineering 20** Mathematical modeling of signals and systems, continuous and discrete time signals, state models and machines, Frequency domain models and sampling of continuous-time signals.  
Signals & Systems

**Electrical Engineering 40** Introductory course to circuit principles and devices. Covered the inner workings of MOSFETs, p-n junctions, amplifiers and diodes. Touched base on digital logic design.  
Introduction to Microelectronics

**Web Design & Usability** Extensive experience with popular **Web scripting languages** and **interactivity applications** (PHP, Flash, JavaScript, SQL—self-taught). Design and creation of **Flash User Interfaces** and **Content Management Systems** for backend management of web sites. Specialization in standards-compliant XHTML/CSS layouts & rich Web 2.0 applications. Development of agile web development skills & practices.  
Freelance Experience

**Multimedia Content Creation** Developed cutting-edge **multimedia projects** via a variety of mediums — Flash banners, video vignettes, print advertisements and audio production. Utilized **graphic design experience** to particularly appeal to youth in the 16-24 age bracket  
Freelance Experience

## Work Experience

**July 2002 – Current** **g9Labs\* Design Studio**, Founder / Director  
Freelance projects in a variety of disciplines from software engineering to graphic design to video production to advertising. **Met demands and criteria** specified by clients. When simultaneously developing projects, **set milestone goals** for each project and **efficiently managed time** between each. **Took initiative to learn new technologies** as they came to the forefront by implementing them in personal projects. See portfolio site (<http://portfolio.g9labs.com>) for a list of projects.

**July 2005 – Current** **VIA Technologies/FAQQLY.com**, Project Manager; Lead Interface Designer  
**Project manager, lead UX & layout designer** on a Web 2.0 social networking startup. **Lead a team of four** in planning and execution of site vision and goals. Specialization in scalable, accessible, standards-compliant design. **Tasteful implementation** of AJAX-powered interfaces and integration with **Ruby on Rails**. Took on an additional role as a supporting backend programmer.

## Skills

**Applications** Macromedia Dreamweaver, Macromedia Flash MX, Microsoft FrontPage, Adobe Premiere (excellent), Adobe After Effects (basic), Adobe Illustrator, Adobe InDesign (basic), Adobe Photoshop (excellent), Sonic Foundry ACID, Sonic Foundry Sound Forge, Microsoft Office Suite, Windows OS, Linux/Unix/Solaris, Mac OSX, GNU Emacs, Eclipse IDE, MATLAB

**Coding** C/C++, Java, SCHEME, MIPS, PHP, ASP, JavaScript, MySQL/PostgreSQL, XHTML/CSS, Ruby on Rails, XSLT/XPath, ActionScript

## Activities

**Leadership:** President, Agape Christian Club (02-04)      **Community Service** Key Club International (02-04)  
**Academics:** Eta Kappa Nu, Mu Chapter      World Impact Tutoring (05)      **Athletics** Cross Country/Track & Field (00-04)  
Cal Running Club (05)      **Interests** God  
Jazz piano, guitar, drums  
Creative writing