Xiaohan Zhang

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EDUCATION

College of Engineering at U.C. Berkeley
Bachelor of Science in Electrical Engineering and Computer Science
Graduating May 2014, GPA 3.5

COURSEWORK

Compilers	Computer Graphics	Programming Languages	User Interfaces
Programming Methodology	Machine Structures	Structure of Computer Programs	Object Oriented Programming
Data Structures	Differential Equations	Structure of Systems and Signals	Discrete Math
Multivariable Calculus	Linear Algebra	Probability Theory	E&M and Circuits

SKILLS

Java	Scala	Ruby	PHP	Python	C	C++
C#	Lisp	HTML/CSS/Javascript	Ruby on Rails	Apache	Postgres	MySQL
JSON	XML	RESTful APIs	Git	Hg	SVN	UI Design
TDD	Unit Testing	A/B Testing	Unix	OpenGL	GLSL	Iterative Design

EXPERIENCE

Intern at Vertical Brands *San Francisco, CA* *May '12 – Aug '12*

- Real-time metrics dashboard for internal use
- Adding features to Vanity, an open-source A/B testing library

Research with Berkeley HCI Group *Berkeley, CA* *Feb '12 – June '12*

- Rapid prototyping of interactive objects with Arduino, Java, and PCB printers
- Implemented routing algorithms to connect printable buttons to controlling terminals

Dance Practice DJ *Berkeley, CA* *March '12 – May '12*

- Recognize body gestures with the Kinect to control a music player
- Iterative design with storyboarding, wireframes, and user testing

Create Your Own Lamp from Fabripod *Berkeley, CA* *Nov '11 – Feb '12*

- Customization oriented design interface for ordering parameterizable lamps
- From concept to product in one week using Processing, Scala, and Applets

MIPS Emulator and Interpreter *Berkeley, CA* *Sep '11*

- Assembly interpreter written in C that accepts the MIPS ISA
- Emulation of a 32-bit hardware environment with 4GB memory and 32 registers

Solving the Sliding Block Puzzle *Berkeley, CA* *March '11*

- Team of four with extensive use of JUnit, TDD and SVN to maintain code quality
- Constant redesign of data structures and abstractions guided by space/time analysis