Ethan Chiou

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EDUCATION

University of California, **Berkeley** 2013-2017

GPA: 3.85, Bachelor of Sciences in Electrical Engineering & Computer Science

Industrial Design & Human Factors - **A-**

Interactive Device Design - **IP**

Designing Information Devices and Systems I - **IP**

Artificial Intelligence - **A**

Efficient Algorithms & Intractable Problems - **A-**

Introduction to the Internet: Architecture & Protocols - **IP**

Structure & Interpretation of Computer Programs - **A**

Data Structures - **A+**

Machine Structures - **A**

Discrete Mathematics and Probability Theory - **A**

EXPERIENCE

SKILLS

- PROFICIENT
- FAMILIAR

- Python
- Java
- C

- Arduino
- Raspberry Pi

- Adobe CS
- Prototyping
- Wireframing

- HTML5
- CSS3
- Javascript
  - React.js
  - jQuery

Student Researcher, Paulos Resarch Group

Summer 2015 - Present

- Undergraduate researcher for Eric Paulos, Professor at Berkeley, working on various projects.
- **Conductive 3D Printing**

  Imagine, design, and implement how physical interfaces can be built with conductive 3D printing.
- **OnePhoto**

  Build an Android application to take a photo, and thereafter only display that photo.

Student Researcher, BIDS

Summer 2015

- Researcher in the Berkeley Institute for Data Science, studying productive use of workspaces.
- **Garmr**

  Allow for easy large-scale analysis of users at bids by developing an application for front desks in React.js and Morepath (a Python microframework).

Project Developer, Blueprint

Spring 2014 - Spring 2015

- Developer for a club dedicated to providing technology services for nonprofit organizations.
- Design and construct the front-end for Ruby on Rails applications using HTML, CSS, and Javascript for Roots of Success and WorldReader, both education-centered nonprofits.

Software Development Intern, bebop, inc.

Summer 2014

- Designed and prototyped user-side applications for stealth startup using AngularJS and Express.
- Created a résumé reviewing interface for use with recruiting software, allowing hiring managers to quickly scan résumés and add or reject candidates.
- Implemented improvements based on feedback from interviews with users.

PROJECTS

Watchdog

Spring 2015 Hackathon

- Hardware hack with Raspberry Pi to create an indicator telling the user who is at home.
- Use Python and Unix commands to get data on devices connected to router, lighting up a corresponding LED.
- Won Best Dorm Room Hack at Hackers @ Berkeley's Hackjam.