







# SPENCER HITCHCOCK

## CONTACT

-  530-906-0021
-  spencerhitch@gmail
-  ocf.berkeley.edu/~hitch
-  github.com/spencerhitch

## EDUCATION

### B.A. COGNITIVE SCIENCE

UC Berkeley  
2011 - 2015

### B.A. COMPUTER SCIENCE

UC Berkeley  
2011 - 2015

## REFERENCES

Kim Benson  
Executive Director  
Berkeley Student Cooperative  
kbenson@bsc.coop  
510-486-1772

Alyssa Pelletier  
Product Designer & Founder  
Camp Four Creative  
alyssa@campfourcreative.com  
303-884-2105

## ABOUT ME

Born and raised in a small town in Northern California. I started programming at university and fell in love with unleashing computers as tools. I love linguistic analysis, elegant design, data visualization and programming language theory.

## EXPERIENCE

### FRONT-END DEVELOPER

CAMP FOUR CREATIVE | SUM 2015 | CAMPFOURCREATIVE.COM

Working with Angular.js, connected a front-end to a custom back-end for flight search company. Built Ionic app for iOS and Android with a Parse backend.

### PRESIDENT

BERKELEY STUDENT COOPERATIVE | AUG 2014 - MAY 2015 | BSC.COOP

Trained students to function as board directors of an organization with 1300 live-in members, a \$10 million budget and \$80 million in assets. Organized and facilitated Board and Cabinet meetings. Oversaw the Executive Director. Drafted the IT portion of our long term strategic plan. Oversaw review of corporate documents for compliance with California Non-Profit Corporate Code and successfully ran a referendum to approve necessary changes to Bylaws.

### RESEARCH APPRENTICE

PEERLIBRARY | JAN 2014 - DEC 2015 | PEERLIBRARY.ORG

Implemented front-end features such as cancelling and pausing of imports and wrote script to backup documents using Meteor framework. Contributed logo designs and business card designs.

### ANDROID DEVELOPER

THE MONKEY INFERNO | SUM 2014 | BEBO.COM

Explored the Lyft/Uber model as applied to moving. Contributed to the design process of and, using Android, implemented essential front-end features for an avatar-based chat application, the re-release of Bebo.

### RESEARCH ASSISTANT

DESPO COGNEURO LAB | SPRING 2012 | DESPOLAB.BERKELEY.EDU

Trained participants in a study of prefrontal cortical response to monetary incentive using fMRI

## SKILLS

JAVASCRIPT

3 years

PYTHON

4 years

JAVA

3 years

C/C++

3 years

HTML/CSS

3 years

ADOBE CREATIVE SUITE

8 years

LINUX/UNIX

4 years

## EXPERIENCE (CONTINUED)

### HOUSE MANAGER AT CASA ZIMBABWE

BERKELEY STUDENT COOPERATIVE | AUG 2013 - MAY 2014 | BSC.COOP

Functioned as landlord while cohabitating a 60 room house with 124 student residents. Moved residents into house. Oversaw the room assignment process. Ensured other house-level managers were fulfilling their duties. Created emergency plan and maintained an emergency cache. Acted as intermediary for interpersonal disputes between members. Ensured comfort of residents.

### COFOUNDER

DESIGN ENGINEERING COLLABORATIVE | FALL 2012 | DEC.BERKELEY.EDU

Founded a space with students who value good design practices in engineering. Reimagined and renovated an unused classroom as a center for ideation. Installed wiimote whiteboard. Designed logo. Held weekly ideation sessions.

## PROJECTS IN

### NATURAL LANGUAGE PROCESSING

A Chrome extension using Wikimedia API for language apprehension in Javascript

### DATA STRUCTURES

A chesslike board-game with a minimax computer opponent in Java  
A massive social graph cruncher using Hadoop

### SIGNAL PROCESSING

Sending digital images through radio  
Song-recognition through spectral analysis in Matlab

### COMPUTER MUSIC

Sound-responsiveness in a 24x48 LED array controlled by a RPi in C and PureData  
Vim as a musical instrument

### ARTIFICIAL INTELLIGENCE

Parser for logic in conjunctive normal form in Python

### DATA VISUALIZATION

A d3.js interactive globe of what scripts are used where in the world  
A d3.js visualization of the price of text-books by subjects in the past 5 years