

Work and Service

CognifiSense, Inc. - Sunnyvale, CA

June 2015 - November 2016

Research Consultant

Create and maintain database of key research resources.

Prepare reviews of key published resources for CEO.

Theta Chi Fraternity - Mu Chapter, University of California, Berkeley

December 2012 - May 2013

Risk Management Chair [Previous: Historian]

Implement the risk management policies of Theta Chi Fraternity, including the Chapter's crisis management plan.

Organize and sponsor a program concerning alcohol and other drug abuse prevention, diversity education and hazing programs to raise membership awareness.

Jumpstart - Oakland, CA

August 2012 - December 2012

Jumpstart Corps Member

Participated as an Jumpstart Corps member in an award-winning network of volunteers who provided individualized attention and positive adult-child relationships to prepare children attending preschool in low-income neighborhoods for school success.

Received intense training and professional development in early childhood theory and practice, language and literacy development, leadership skills, and communication with families.

Portfolio

Let There Be Light! (A project by Team LUMOS) - <https://github.com/oxwootang/alexalight>

We integrate the RaspberryPi3 with Amazon Alexa's OS to create an AlexaPi "Alexa Hub".

We create custom Alexa Voice Command Skills with AWS to ping our LIFX Smart LED Bulb through the LIFX HTTP API to mimic the natural light of the AlexaPi's geolocation.

Education

Dev Bootcamp, San Francisco

2016 - 2017

Full-Stack Web Development Program

19-week intensive web development immersive program, where I learned Ruby, Rails, JavaScript, HTML, CSS, TDD, API Integration, CI and database systems such as SQL and PostgreSQL. Also explored a wide range of strategies that enable teams to be more effective and productive through AGILE methodologies.

University of California, Berkeley

2011 - 2016

Bachelor of Arts in Cognitive Science

Coursework: Perception, Computational Models of Cognition, Language and Thought, Music Perception and Cognition, The Structure and Interpretation of Computer Programs, Discrete Mathematics

Skills

Web Development

Agile Methodologies, API Integration, AWS, CSS, Celery, Continuous Integration (Travis CI), Flask, Heroku, HTML, Java, JavaScript, NumPy, Python, Redis, Ruby, Rails5, Ruby on Rails, Scheme, Sinatra, SQL-databases (SQLite3, PostgreSQL), Test-Driven Development (Jasmine, RSpec), Version Control (Git, Github)

Research Foci

Neurobiology, Virtual Reality, Home Automation, Attenuation/Modulation of Pain, Chronic/Acute Pain, Cancers, Burns, Music Therapy, Hypnotic Therapy, Binaural Beats, Video Game Therapy, Exposure Therapy, Mirror Therapy