

# ISAAC ADDIS

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## Skills

### FRONT-END DEVELOPMENT

CSS  
Javascript  
SASS  
HTML5  
LESS  
CoffeeScript  
jQuery  
React.js

### BACK-END DEVELOPMENT

PHP  
Node.js  
SQL  
MongoDB  
Firebase  
Express.js

### SPOKEN LANGUAGES

Amharic (Native)  
English (Native)  
Japanese (Advanced Working Proficiency)  
Spanish (Advanced Working Proficiency)  
Mandarin Chinese (Intermediate Working Proficiency)

### OTHER

Git  
Vim  
UNIX  
Java  
Python  
OpenCV

## Education

### California Academy of Mathematics and Science (CAMS)

Expected Graduation: June 2019

Weighted GPA: 4.24

## Employment

### Yama Web Design

(yamawebdesign.com) Owner

Perform freelance web design work (using HTML/CSS, Bootstrap/Material Design, and Javascript) for individuals and organizations. Upon request, I confirm a design with the client and proceed onto developing the site.

## Projects

### CtrlFEverything

- Created a network of cloud-hosted servers to communicate with a microprocessor and use computer vision to process the cameras networked with the board, to ultimately allow users to "CTRL-F" find objects they've lost using a completely digital interface
- Personally was responsible for the vision processing of images on the board, and creating a corresponding Express.js server to communicate with the rest of our network
- Created at LA Hacks 2018, which won 1st Place (see Awards section below)
- Used Node.js (Express.js), Laravel, Javascript (jQuery), Python, MySQL, Qualcomm 410c Google Cloud Vision API, Google Cloud Platform

### Manabu

- Created a web application that implements multiplayer competitiveness and social engagement to make language learning more efficient and interesting.
- Used Node.js (Express.js), Socket.io, and Firebase

### ROV2018

- Created the team's most complex software system yet for my school underwater robotics (ROV) team, including computer vision and graphical user interface capabilities to complete mission tasks.
- Used OpenCV3 (Python), HTML5/CSS3/Javascript (using the html5Py module)

### NerdyScout

- Created a mobile app (Android and IOS) for my school FIRST Robotics Competition (FRC) team, allowing for the team, in the first time in its history, to "scout" (discover robot information of other teams as to be able to make informed alliance selections during playoffs) using our own personalized software.
- Used Cordova, HTML5/CSS3/Javascript, MySQL

### Yami.css

- Used SASS to create a CSS framework emphasizing usage of colors to invoke emotion

## Awards

LA Hacks · **1st Place**

Mar 2018

Competing with almost 1000 other people, our team won 1st Place at UCLA's LA Hacks 2018 Hackathon.

LA Hacks · **Qualcomm IoT Prize Winner**

Mar 2018

Our team's project was selected for the best use of Internet of Things (IoT) technology by Qualcomm.

## Activities

**FIRST Robotics Competition Team 687 (The Nerd Herd)** Programmer

Sep 2015 to Current

Use Java for programming robots built for different tasks, which change depending on the game every season.

**45C Robotics** · Programming Team Lead

Sep 2016 to Current

Work on designing and creating the software for the team robot for the MATE ROV Robotics competition.

## Volunteering

**Human Potential Center** · Javascript Consultant

Aug 2016 to Current

Assist with creation of scripts to automate tasks for the organization upon request.