ISAAC B. IYENGAR

1005 W Gregory
Allen Hall 0385
Urbana IL 61801

isaac@iyengar.us.com

(571) 581-0512

https://tinyurl.com/ybxufl2W

isaaciyengar.github.io

EDUCATION

University of Illinois – Urbana Champaign

BS Computer Engineering

Expected May 2019

Coursework:

Discrete Structures, Data Structures, Differential Equations, Discrete Mathematics, Analog Signal Processing, Computer Systems & Programming, Engineering Entrepreneurship

SKILLS

Java, Python, C , C++, Obj-C, Swift, HTML, CSS, JavaScript, Django, PHP, SQL, Bash
MATLAB, GitHub, Linux, Microsoft Excel, LaTeX, SolidWorks

EXPERIENCE

AG-SENSUS, LLC Champaign, IL **May 2017 - Present**

Mobile Developer

- Designed service call controller in mobile application to send drone mission data and images to AWS S3 and Django Servers
- Implemented and improved numerous app features for UX and Drone Mission Functionality
- Integrated new image processing algorithms into the application

BRAND.U **Aug 2015 - Present**

CEO & Founder

- Used HTML, CSS, and JavaScript to design unique, personalized websites and other branding elements for local artists, musicians, and companies
- Designed an intelligent bot to design websites automatically based on user inputs to simple questions

Stilwell Technology & Robotics **Jun 2014 – Sep 2014**

Lead Developer

- Worked on a Robotic OS for cross-robotic communication that makes autonomous self-organizing teams of machines
- Designed an application which would allow user to draw of motion paths on screen, which would be translated into real world motion through Arduino powered robots
- Created multi sensor arrangement for effective positioning and organized movement between teams of robots

ACTIVITIES

- Illini Motorsports Formula SAE Electronics Team (2016 – Present)
- Founders Student Entrepreneurship Organization (2016 – Present)

PROJECTS

- CarTalk: Designed a mobile application implementing natural language processing to allow more effective vehicle to vehicle communication
- AHALA: Created a system where motions of the pupil are tracked and translated into real world motion of a wheelchair using Processing CV, and voice commands are translated into specified intents for Home Automation using wit.ai. This creates a mobile independence solution for quadriplegics. Won awards from IEEE, AFCEA, and regional science and engineering fairs.