

Isaac Iyengar

FULL STACK DEVELOPER

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MY SKILLS



Java	-----
Python	-----
C++	-----
Obj-C / Swift	-----
HTML5 / CSS / JS	-----
Django	-----
PHP	-----
SQL	-----
Bash	-----
GitHub	-----
MATLAB	-----
Adobe CC	-----

PROJECTS



CarTalk - Designed a mobile application implementing natural language processing to allow more effective vehicle to vehicle communication

Casa - Used natural language processing algorithms combined with simple home automation for a more user-friendly IoT experience.

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.

WORK EXPERIENCES



INNOVATION DEVELOPER

(Oct 2017 - Present)

JOHN DEERE - CHAMPAIGN, IL

- Developing mobile applications for enhanced customer experience.
- Integrating AWS Lambda into applications for data and server processing capability.

IOS DEVELOPER

(May 2017 - Aug 2017)

AG-SENSUS - CHAMPAIGN, IL

- 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.

FOUNDER LEAD DEVELOPER

(Sep 2015 - Present)

BRAND.U - WASH. D.C. / CHAMPAIGN, IL

- Designed unique, personalized websites and other branding elements for local artists and companies.
- Developed an intelligent bot to design websites automatically based on user inputs to simple questions

EDUCATION



BACHELOR OF SCIENCE DEGREE

(2016 - 2019)

University of Illinois Urbana-Champaign

Major: Computer Engineering

Coursework: Discrete Structures, Data Structures, Diff. Equations, Analog Signal Processing, Comp. Systems & Programming, Engineering Entrepreneurship

Activities: Illini Motorsports, Research Park, Founders (Entrepreneurship)

INTERESTS



ROBOTICS



COMPUTER VISION



NLP



STARTUPS