SRIJAY KASTURI

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EDUCATION

2014 – present   **SOUTH LAKES HIGH SCHOOL**

EXPERIENCE

STRIDE   **FOUNDER / INVENTOR**

2013 – present   Invented a device for the visually impaired that detects objects in front of them, by using ultrasonic sensors and pressure sensors, to help prevent falls. For this project I developed skills in the areas of 3D Printing, Printer Circuit Board Design, Firmware Development, Arduinos, and Electrical Engineering.

IGNITE A MIND   **CO-FOUNDER / HEAD DEVELOPER**

2016 – present   As head developer for the non-profit startup Ignite a Mind, I am responsible for the creation of the mobile app. Ignite a Mind wants to bring tablets to rural villages without internet and thus one of the limitations of the mobile app is that it must run offline so all data has to be stored on the tablet. This app was also built using the Cordova framework.

ARDUINO CLASSES   **CURRICULUM DEVELOPER / TEACHER**

2016 – present
Nova Labs   Developed the curriculum for Arduino microcontroller classes for adults and children. Previously the classes offered were all theory based classes, so I rewrote the curriculum to have a hands-on focus. The classes take a student from no experience to being ready to make their first project.

AWARDS

1ST PLACE   **"SHARK TANK" ASSISTIVE TECHNOLOGY CHALLENGE**

STRIDE   Selected from a group of finalists where I had to give a 10 minute, Shark Tank style pitch where I was awarded 1st in the category of Safety.

3RD PLACE   **STARTUP WEEKEND DC: SOCIAL IMPACT**

Ignite a Mind   At Startup Weekend, my team and I built a business plan for a non-profit company. I was responsible for the presentation as well as the website demo.

1ST PLACE   **UCP ENABLED BY DESIGN-ATHON**

Simplyfi   As lead developer for the team, over the course of two days, I developed a Chrome extention that helped austistic children understand idioms.

SKILLS

LANGUAGES   Python, HTML, CSS, Javascript, Bash, Arduino

FRAMEWORKS   Flask, Node.js, OpenCV, Cordova, TKInter, BeautifulSoup

HARDWARE   Arduino, Microcontrollers, PCB Design, SMT Soldering, Raspberry Pi

MISCELLANEOUS   Public Speaking, Teambuilding, Child Care, Debate, Business, Marketing