

SRIJAY KASTURI

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11568 Shadbush Ct. Reston, VA 20191

EDUCATION

2014 – present SOUTH LAKES HIGH SCHOOL

EXPERIENCE

STRIDE FOUNDER / INVENTOR

2013 – present I 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 I 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 I was 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 extension that helped autistic 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