Ritik Jalisatgi

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Github: WarpRomo

My location: Sunnyvale, California

A project I'm currently working on…

www.github.com/WarpRomo/self-driving-rc-car

- Integrated a Raspberry PI micro-controller into a premade toy RC-Car.
- Created an API through Python Flask that allows users to send driving commands to the car over WIFI.
- Designed a GUI to allow interaction with the car through Python PyGame.
- Collected data and trained a model using PyTorch to allow the car to automatically circle around buildings.

Some projects I have created…

www.projectclassy.live

- Created a site to help students pick their future school courses. My site allows you to leave "ratings" on school courses that you have taken before, and for other students to view those "ratings".
- Developed the front-end through HTML / CSS / Javascript, the back-end through NodeJS / Socket.IO, and the UI Images through Adobe Photoshop.
- Implemented a "vulgarity filter" using Node.JS libraries.
- Programmed the site styling for both mobile & desktop support.

www.soromath.com

- Created a site for training mental arithmetic & mathematical skills.
- Implemented features such as custom modes, difficulties, themes, and viewable personal stats to assist with mathematics training.
- Created through HTML / CSS / Javascript, and Github Pages.
- Implemented both mobile & desktop support.

www.theiaproject.org

- Created a physical device that helps blind individuals understand their environment.
- Programmed an effective method of sound communication to the blind (detailed on my website), integrated that method into a hand-held device, and tested it on blind individuals.
- Used tools such as Blender to model device components, Python to program Raspberry PI internals, and a personal 3D printer (the Ender 3 v2) to print out and assemble the final device.

Main Programming Languages

- Javascript, Node.JS, Python, C++, HTML, CSS, Java, C#

Personal Details

- Native English speaker, 17 years old.
- Committed to UCSD Computer Science, and I love to create & learn!