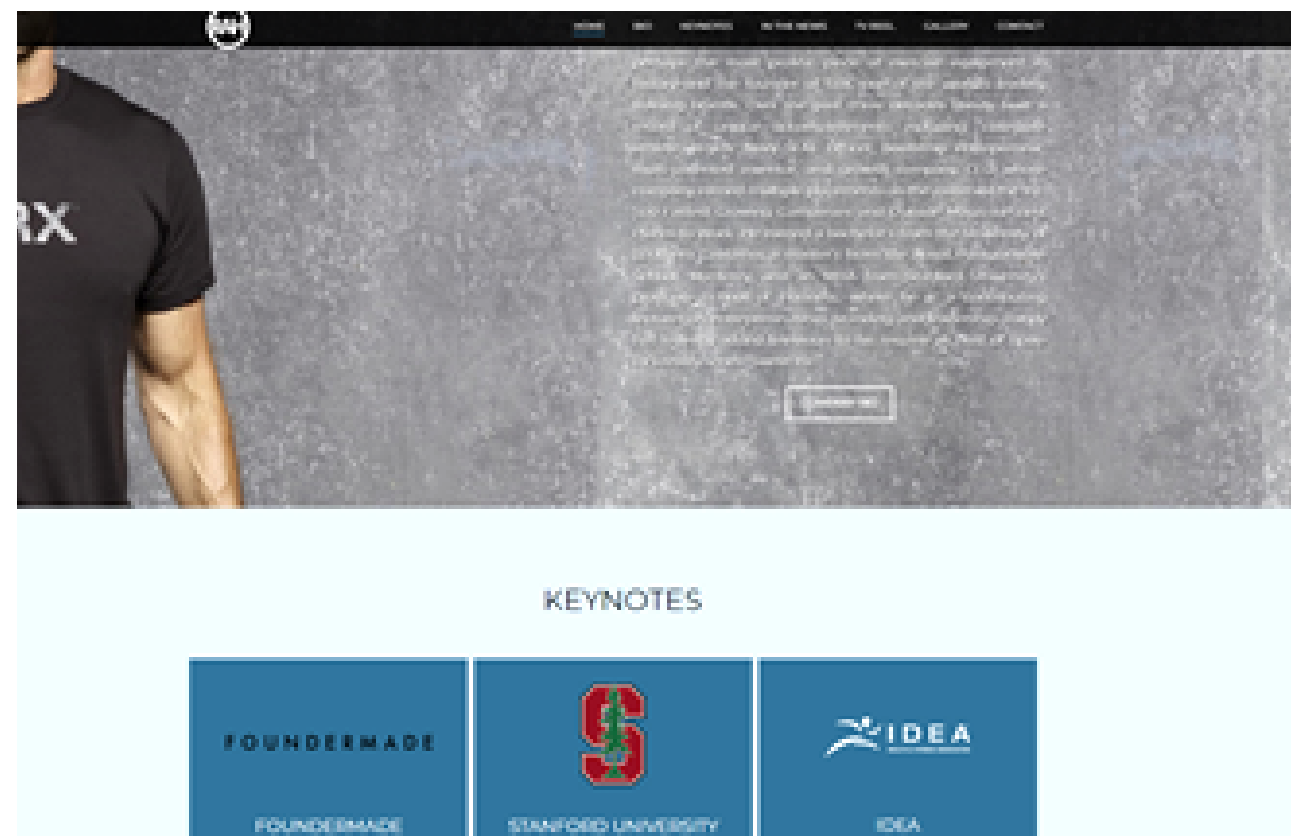


OAKWOOD WORLDWIDE

Created an external artificial assistant for website & mobile app that answers general queries from customers saving the call center time and money.

www.oakwood.com/help



TRX

Helped design and create a personal portfolio website for the companies CEO using WordPress.

www.randyhetrick.com

C++ Graphics



IMAGE FILTERS

Used rasterization to apply colors, scales, rotations and joins to images.

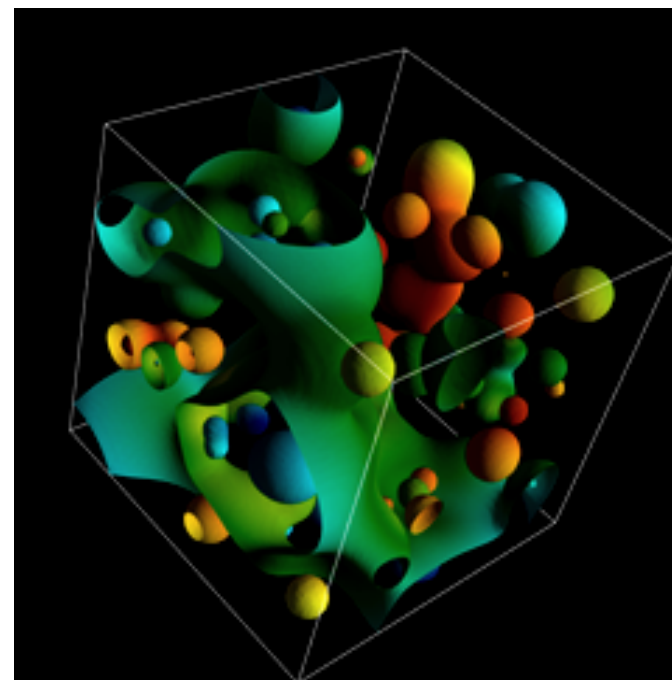
github.com/NolanCassidy/rasterization-image-processing



SCANLINE ALGORITHM

Created a scanline algorithm program to draw triangles.

github.com/NolanCassidy/rasterization-scanline-algorithm



FLUID SIMULATION

Combined rasterization & phong shading to display ambient and diffuse lighting.

github.com/NolanCassidy/rasterization-phong-shading

FULL STACK PYTHON APP

github.com/NolanCassidy/brevets-flask-auth-mongo-rest

Uses Flask to handle page serving and MongoDB to store the data. Offers rest APIs to access data in JSON or CSV format. The APIs are CSRF protected and require a token. Calculates open and close times for checkpoints in a brevet.

[illegible]

Login

Username

New Password

Repeat Password

REGISTER

Already have an account? Click Login in the navbar above!

200km ACP BREVET

CHECKPOINT	DATE/TIME
=====	=====
16.1	Start: Sun 1/1 0:28
10(mi)	Close: Sun 1/1 1:04
40.2	Start: Sun 1/1 1:11
25(mi)	Close: Sun 1/1 2:41
80.5	Start: Sun 1/1 2:22
50(mi)	Close: Sun 1/1 5:22
160.9	Start: Sun 1/1 4:44
100(mi)	Close: Sun 1/1 10:44
201.2	Start: Sun 1/1 5:53
125(mi)	Close: Sun 1/1 13:30