NICOLAS NEBEL

nnebel@ucsd.edu | (858) 780 - 6613 | github.com/nickwn

EDUCATION

UC San Diego   Class of 2022

- Computer Science (B.S.)

EXPERIENCE

Robotics Club – *Computer Vision Lead*   2015 – 2016

- Taught students how to program in C++ using OpenCV on Linux
- Led creation of a program to detect reflective targets using a camera

Robotics Club – *R&D Lead*   2016 – 2017

- Led creation of and coded animatronic cow, humanoid robot, wiffle ball shooter, and interactive team booth

---

PROJECTS

java-3d-renderer   git.io/fxJLY

- Pure software real-time 3D renderer written in Java using the standard 2D libraries. Includes .obj file reader and first person camera

vulkan-renderer   git.io/fxjLZ

- An in-progress real-time renderer using Vulkan written in C++

donkey-models   git.io/fxJLl

- A collection of models and scripts used to run and train a self driving r/c car.
- Uses Keras models on donkeycar platform running on Raspberry Pi

---

AWARDS

Blue Ribbon Award @ SD Maker's Fair   Oct. 2016

- Animatronic cow won out of over 100 projects

Best In Show @ SD County Fair   July 2017

- Chest up humanoid won out of entire county

Most Unique @ CodeDay San Diego   Nov. 2016

- Game made in unity3d that pits a car against a plane