

NICOLAS NEBEL

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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

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

vulkan-renderer

- An in-progress realtime renderer using Vulkan written in C++

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