

OM ANAVEKAR

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EDUCATION

Rensselaer Polytechnic Institute

Bachelor of Science: Computer Engineering & Computer Science Dual
GPA: 3.64

Troy, NY

Expected May 2024

EXPERIENCE

Tesla Motors

Low Voltage Controllers Intern

Palo Alto, CA

Jan – Aug 2023

- Designed hardware and software for validation of Cybertruck body controllers.
- Performed bench-level testing on newly developed body-controls PCBAs.
- Developed automation scripts for validation and testing.

Lighting Enabled Systems & Architecture (LESA)

Undergraduate Researcher

Troy, NY

Sep 2023 – Present

- Supervised team to develop PCB for advanced Time-of-Flight occupancy sensor.
- Optimized PCB layout for size and power efficiency.

Anaveo Labs

Founder

San Ramon, CA

June 2020 – Present

- Developed Glo, an open-source addressable LED controller, & similar embedded systems.
- Launched Glo via Kickstarter & received 374% funding within 30 days.
- Optimized circuit board design and manufactured 250+ units for distribution to backers.

SKILLS

Software: C/C++, Schematic/PCB Design (Altium, Kicad), Autodesk Fusion 360, Google Flutter

Hardware: 3D Printing (FDM & SLA), Soldering, Oscilloscope, Microcontrollers (Atmega, STM32, Espressif)

ACTIVITIES & HONORS

RPI Embedded Control Mentor

Sep – Dec 2022

- Mentor students learning embedded systems fundamentals (interrupts, control loops, communication protocols, etc.).
- Assist with lab assignments and provide one-on-one feedback on student code.

Embedded Hardware Club Member

Sep 2023 – Present

Dean's Honors List

Sep 2020 – Present