

# Zachary White

San Diego, CA 92027

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## Summary

Experience in Electrical Engineering design, hardware selection, assembly, software programming, and testing. Seeking Electrical Engineering internship in Summer 2025 before continuing as a full time computer science student in Fall of 2025. I am a diligent, hardworking, team player who verifies work is done correctly and on time.

## EDUCATION

<b>University of Colorado Boulder</b>	Computer Science	<b>Aug 2025 – May 2026</b>
<b>University of Colorado Boulder</b>	Electrical Engineering	<b>Aug 2019 – May 2025</b>

**Major: Electrical Engineering      Minor: Computer Science**

**Senior EE project: Flexible Indoor Air Quality Control System** - Used air sensors to detect CO2 amounts and hazardous particle counts. Used programming to read sensor data and control activation/deactivation of air filtration system to maintain human safety while conserving energy.

## SKILLS

- |                            |                                       |                              |
|----------------------------|---------------------------------------|------------------------------|
| • Leadership               | • Data collection and analysis        | • Problem solving            |
| • Engineering Design       | • Fabrication, Assembly, and Testing  | • Interpersonal / Networking |
| • Solid Works/3-D Printing | • Software programming and debugging  | • Digital Logic              |
| • Practical PCB Design     | • C++ Programming (Including Arduino) | • Advanced Robotics          |
| • Data Structures          | • Six Sigma Yellow belt training      | • Computer Organization      |

## WORK EXPERIENCES

**Daylight Solutions Inc.** San Diego, Ca **Jun 2022 - Aug 2024**

### **2023 & 2024 Summer Intern: Engineering**

- Designed, built, and verified performance tester for driver boards **100%** on time to schedule.
- Completed design reviews, created schematic and BOM, procured and assembled parts, and completed verification test that demonstrated the tester worked **100%** as planned.

### **2022 Summer Intern: Engineering**

- Created schematic, BOM, assembly instructions, and built functional communication cable
- Provided C++ Arduino Coding, software installation, and serial communication programming

**Price Products Inc.** San Diego, Ca **May 2021 - Aug 2021**

### **Summer Intern: Production and Quality**

- Used machining programs to make metal and plastic parts with **100%** on-time delivery (OTD)
- Measured part characteristics to assure compliance to the drawing: **Zero** violations / escapes

## EXTRA CURRICULAR ACTIVITY

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|---|-----------------------|
| • National Society of Leadership and Success                          | <b>2023 - Present</b> |
| • SASE (Society of Asian Scientists and Engineers) & Intern           | <b>2022 - Present</b> |
| • NSBE (National Society of Black Engineers)                          | <b>2022 - Present</b> |
| • IEEE Member   | <b>2022 - Present</b> |
| • FIRST Robotics, Team Captain. Drive Team Member, Electronics leader | <b>2015 - 2019</b>    |

## AWARDS/RECOGNITIONS

- |   |                   |
|---|-------------------|
| • FIRST Robotics - Regional Winners and World Championship contenders | <b>2017, 2019</b> |
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## COMMUNITY SERVICE VOLUNTEER EXPERIENCE

Interfaith Homeless Shelter, Escondido, CA	<b>2014 - Present</b>
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