

# Kale Suarez

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## OBJECTIVE STATEMENT

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Stanford First-Year Undergraduate pursuing a B.S in electrical engineering looking to pursue an internship to help contribute to new cutting edge research and development of hardware technologies in EE.

## EDUCATION

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### Stanford University

Stanford, CA

Bachelor of Science | Electrical Engineering

June 2029

Relevant Coursework: ENGR40M (An Intro to Making: What is EE)

### Illinois Math and Science Academy

Aurora, IL

Highschool diploma

Relevant Coursework: Introduction to Electronics, Calculus-Based Electricity & Magnetism

May 2025

## TECHNICAL EXPERIENCE

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### Elgin Police Department

Elgin, IL

IT Intern

June - August 2024

- Assembled 14 personal desktops and installed Windows OS for office use.
- Maintained electrical panels on Axon radio systems on police squad cars.
- Maintained police station radio inventory using Microsoft Excel.
- Troubleshooted common Windows OS issues for police staff.

### First Robotics Competition (FRC) Team #2022

Aurora, IL

Electrical Lead

April 2022 - May 2025

- Taught electrical theory, robot wiring, safety, and collaborative skills to a team of 15 electrical-subteam members on high school FRC team.
- Reached FRC World Championships in 2025.
- Used Phoenix Tuner diagnostic tools to identify problems with robot electrical panel CAN bus.
- Worked with various motors/motor controllers, microcontrollers, buck converters, and pneumatic systems.
- Collaborated with mechanical and programming subteams to ensure robot functionality.

## LEADERSHIP

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### Boy Scouts of America

Elgin, IL

Senior Patrol Leader

August 2019 - December 2024

- Mentored scout troop of 14 boys in community service, citizenship skills, camping skills, and leadership.
- Facilitated environmental creek cleanup efforts in Elgin, IL.
- Facilitated food drives and clothing drives in collaboration with the Helping Hands foundation in Elgin, IL.
- Earned Eagle December 2024.

## SKILLS & INTERESTS

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- Microsoft Excel
- Google Suite
- Python, Java, C#
- Object-Oriented Programming
- Linear Algebra/MATLAB (Onramp certificate)
- Ubuntu Linux Operating Systems
- Windows Operating Systems