Kale Suarez

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OBJECTIVE STATEMENT

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

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   *May 2025*

TECHNICAL EXPERIENCE

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

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

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