SKYLER LEWIS

**Mechanical Engineering**

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LinkedIn | GitHub:

Recent mechanical engineering graduate with strong academic project work in prototyping and design testing. Skilled in CAD, MATLAB, and 3D printing. Brings collaborative mindset and attention to precision in problem-solving and model development.

# Key Skills

3D printing

CAD (SolidWorks) Circuit analysis MATLAB

Prototype development Technical documentation

# Academic Projects

January 2024 - May 2024 **Autonomous Delivery Robot Design** *Senior Capstone*

 Designed and assembled a small-scale robot with ultrasonic sensors to navigate a 50-foot path with 95% accuracy

 Integrated Arduino board with motor systems, achieving obstacle avoidance using C++ programming

September 2023 -

December 2023

**Wind Turbine Efciency Optimization** *Energy Systems Lab*

 Modeled various turbine blade shapes in SolidWorks, increasing simulated energy output by 28%

 Conducted wind tunnel testing and compiled performance data in MATLAB for presentation to faculty panel

# Education

June 2024 **Bachelor of Science (B.S.) in Mechanical Engineering** San Diego State University | San Diego, CA

# Certiications

**Certiied SolidWorks Associate (CSWA) | 2024**