

KYNLEE SHOATS

Staff Mechanical Engineer

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(829) 192-3081

126 Pine St, Portland, ME 04101



PROFILE

I am an experienced Staff Mechanical Engineer with over 5 years experience in the industry. I have worked on a variety of projects, both large and small scale, and have gained a wealth of knowledge in various engineering disciplines. I am highly adaptable and thrive in fast-paced environments, always looking for ways to improve processes and deliver solutions efficiently. My excellent communication skills allow me to seamlessly interface with other departments within an organisation, ensuring successful project delivery from start to finish.

LINKS

[linkedin.com/in/kynleeshoats](https://www.linkedin.com/in/kynleeshoats)

SKILLS

AutoCAD



Inventor



Solidworks



CATIA



ANSYS



MATLAB

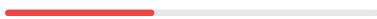


LANGUAGES

English



Urdu



EMPLOYMENT HISTORY

● Senior Mechanical Engineer at Maine 4 seasons heating and cooling, ME

Mar 2022 - Present

- Led a team of engineers in the design and development of a new HVAC system for a major retailer. The project was completed on time and under budget, saving the company millions of dollars.
- Developed a new fan blade design that increased airflow by 10% while reducing noise levels by 15%. The redesign was implemented across all products manufactured by the company, resulting in an estimated annual savings of \$5 million.
- Authored multiple patents related to mechanical engineering designs, including one for a novel engine cooling system that has been adopted by several major automakers.
- Conducted extensive research into friction reduction techniques and authored papers detailing his findings. His work led to the implementation of new production methods that reduced wear on machinery parts by 30%.

● Lead Mechanical Engineer at Smiley's Heating & Air Conditioning, Inc., ME

Jul 2017 - Jan 2022

- Led the development of a new product that resulted in \$10 million in annual revenue.
- Reduced production costs by 20% through process improvements.
- Developed and implemented a new maintenance schedule that improved equipment reliability by 30%.
- Led the design and implementation of a new manufacturing line that increased throughput by 50%.
- Created weld procedures for three difficult-to-weld materials which saved the company \$100,000 per year.

EDUCATION

Bachelor of Science in Mechanical Engineering at The University of Maine, ME

Sep 2013 - May 2017

I've learned how to design and analyze mechanical systems using principles of physics and engineering.

CERTIFICATES

Certified Mechanical Engineer (CME)

Dec 2020

Certified Manufacturing Engineer (CMfgE)

Oct 2019

HOBBIES

Biking

Kayaking

Skiing

MEMBERSHIPS

American Society of Mechanical Engineers (ASME)

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)