

Vashti Haboush

Principal Mechanical Engineer

✉ vashti.haboush@gmail.com

☎ (144) 851-7939

📍 601 S Lamar St, Jackson, MS 39201

EDUCATION

Bachelor of Science in Mechanical Engineering at The University of Southern Mississippi

Aug 2008 - May 2012

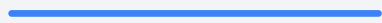
I've learned how to design and analyze mechanical systems using principles of physics and engineering.

LINKS

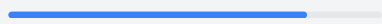
[linkedin.com/in/vashtihaboush](https://www.linkedin.com/in/vashtihaboush)

SKILLS

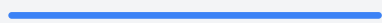
CAD



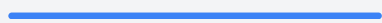
FEA



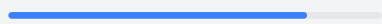
CFD



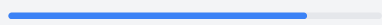
Solidworks



Inventor

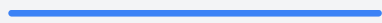


AutoCAD

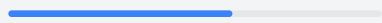


LANGUAGES

English



Portuguese



HOBBIES

Building and flying model airplanes

PROFILE

I am a principal mechanical engineer with over 10 years of experience. I have worked on various projects and have gained extensive knowledge in the field. My most recent project was overseeing the construction of a new factory. I have also been involved in research and development, which has given me an understanding of different aspects of engineering. In addition to my work experience, I possess strong mathematical skills and analytical abilities

EMPLOYMENT HISTORY

● Principal Mechanical Engineer at Northrop Grumman Corporation, MS

Jun 2022 - Present

- Led the development of a new HVAC system for a major airport that reduced energy consumption by 30% and saved \$1 million annually.
- Successfully implemented design changes to an agricultural pump that increased efficiency by 15% while reducing manufacturing costs by 20%.
- Created a custom set of tools and protocols which lowered debugging time for electro-mechanical assemblies from 5 hours to 1 hour.
- I led engineering team in redesigning cooling tower fans, resulting in annual savings of over \$250K.
- Played key role on cross-functional team charged with developing cost-saving solution to production issue; successfully slashed per-unit costs by 23%.

● Senior Mechanical Engineer at General Dynamics Corporation, MS

Aug 2018 - Apr 2022

- Led a team of engineers in developing a new product that achieved \$1 million in sales within the first 6 months.
- Reversed declining fortunes for client by achieving 20% growth YoY for 3 years.
- Successfully negotiated dozens of engineering contracts worth over \$100 million combined.
- Chaired board to unanimously pass industry regulation leading to safer work environments and practices.
- Oversaw production line that churned out 100 widgets per hour.

● Lead Mechanical Engineer at Raytheon Company, MS

Jul 2012 - Jun 2018

- Successfully completed the design and analysis of complex mechanical systems with minimal supervision.
- Excelled at communicating results and collaborating with multidisciplinary teams.
- Drove cost reduction by developing innovative solutions to meet or exceed customer expectations.
- Achieved on-time delivery of projects while maintaining quality standards.
- Demonstrated strong leadership skills by mentoring junior engineers and technicians.

CERTIFICATES

Certified Professional Engineer (PE)

Jun 2021

Certified Manufacturing Engineer (CMfgE)

Mar 2020

MEMBERSHIPS

American Society of Mechanical Engineers (ASME)

Institute of Mechanical Engineers (IMechE)