

Lonny Oki

Design Engineer

✉ lonny.oki@gmail.com
☎ (170) 369-3204
📍 123 Oak Street, Lexington, KY 40507

EDUCATION

Bachelor of Science in Mechanical Engineering at University of Kentucky, Lexington, KY

Sep 2017 - May 2022

Relevant Coursework: Mechanics of Materials, Thermodynamics, Fluid Mechanics, Heat Transfer, Machine Design, Control Systems, Materials Science, Engineering Dynamics, Mechanical Vibrations, and Computer-Aided Design.

LINKS

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

SKILLS

AutoCAD
SolidWorks
MATLAB
Finite Element Analysis (FEA)
Computational Fluid Dynamics (CFD)
D Printing
Python Programming

LANGUAGES

English
Hindi

HOBBIES

3D printing and prototyping

PROFILE

Design Engineer with 1 year of experience in developing innovative and cost-effective solutions for various industries. Proficient in CAD software, 3D modeling, and technical documentation. Adept at collaborating with cross-functional teams to achieve project goals. Demonstrated ability to meet deadlines and adapt to new technologies while maintaining high quality standards. Committed to continuous learning and professional growth in the field of design engineering.

EMPLOYMENT HISTORY

● Senior Design Engineer at Lockheed Martin, KY

Apr 2023 - Present

- Led the design and development of a critical avionics system for Lockheed Martin's F-35 fighter jet program, resulting in a 15% reduction in system weight and a 10% improvement in overall performance.
- Successfully managed a team of 12 engineers throughout the entire lifecycle of a \$20 million aerospace project, ensuring on-time delivery and exceeding customer expectations in terms of quality and performance.
- Implemented innovative design solutions for the company's missile defense systems, increasing system reliability by 25% and contributing to a significant contract extension with the Department of Defense.
- Played a key role in securing a \$50 million contract with NASA by providing technical expertise and presenting advanced engineering concepts for the development of a next-generation satellite communication system.

● Design Engineer at GE Appliances, KY

Aug 2022 - Feb 2023

- Developed a new dishwasher model that increased energy efficiency by 25% and reduced production costs by 15%, resulting in annual savings of \$2 million for GE Appliances.
- Led a cross-functional team to redesign a refrigerator cooling system, improving its performance by 30% and reducing the number of customer complaints due to cooling issues by 40% within the first year after implementation.
- Successfully managed a project to implement 3D printing technology for rapid prototyping, reducing the time required for product development from 6 months to 3 months and saving over \$500,000 in R&D expenses annually.

CERTIFICATES

Certified SOLIDWORKS Professional (CSWP)

Apr 2022

Autodesk Certified Professional (ACP)

Aug 2020