

# Laterra Boche

Microwave Engineer

## Profile

Dedicated Microwave Engineer with 1 year of experience in the design, analysis, and optimization of microwave systems and components. Proficient in RF simulation tools, circuit design, and antenna technology, with a strong foundation in electromagnetics and communication theory. Demonstrated ability to work effectively in both independent and team-based settings, displaying a strong commitment to continuous learning and professional growth.

## Employment History

### Microwave Engineer at General Electric, MI

May 2023 - Present

- Developed a high-efficiency microwave oven for GE's home appliance line, resulting in a 15% reduction in energy consumption and 10% faster cooking time, leading to increased customer satisfaction and a 12% increase in sales.
- Successfully designed and implemented a new microwave-based communication system for GE's industrial facilities, improving data transfer speeds by 25% and reducing network downtime by 20%, saving the company \$500,000 annually in lost productivity.
- Spearheaded a cross-functional team that optimized microwave components for GE's medical imaging devices, increasing the signal-to-noise ratio by 18% and enabling clearer images for more accurate diagnoses, contributing to a 7% market share growth in the medical imaging sector.

### Associate Microwave Engineer at Northrop Grumman, MI

Sep 2022 - Mar 2023

- Developed and optimized a high-performance microwave communication system for a major defense program, resulting in a 20% increase in data transmission rates and a 15% reduction in system latency.
- Successfully designed and integrated a state-of-the-art microwave transceiver module for a next-generation satellite communication system, improving signal-to-noise ratio by 30% and reducing power consumption by 10%.
- Led a cross-functional team of engineers to complete a critical project milestone for a radar system upgrade, delivering the final product ahead of schedule and under budget by 5%, contributing to a \$10 million contract renewal.
- Implemented advanced simulation models and analysis techniques that improved the accuracy and efficiency of microwave component design, reducing the average development time by 25% and increasing overall product performance by 15%.

## Education

### Master of Science in Electrical Engineering at University of Michigan, Ann Arbor, MI

Aug 2017 - May 2022

## Details

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## Links

[linkedin.com/in/laterraboche](https://linkedin.com/in/laterraboche)

## Skills

Waveguide Design

Antenna Theory

RF Circuitry

Electromagnetic Simulation

Microwave Measurements

Filter Synthesis

Transmission Line

## Languages

English

German

## Hobbies

Building and experimenting with radio-controlled devices

Studying and exploring advancements in microwave technology

Designing and constructing electronic circuits and components