

COUNTESS MIDDLETON

R&D Engineer

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(509) 470-0930

123 Main Street, Boston, MA 02115



PROFILE

Results-driven R&D Engineer with 1 year of experience in designing and developing innovative engineering solutions. Adept at utilizing cutting-edge technologies, conducting comprehensive research, and collaborating with cross-functional teams to drive product optimization and process improvements. Demonstrates strong analytical skills and a creative mindset, contributing to the development of high-quality products and successfully driving project milestones.

LINKS

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

SKILLS

CAD Design

Finite Element Analysis

Python Programming

Rapid Prototyping

MATLAB Simulation

LabVIEW Automation

SolidWorks Modeling

LANGUAGES

English

Dutch

HOBBIES

EMPLOYMENT HISTORY

● R&D Engineer at Raytheon Technologies, MA

Apr 2023 - Present

- Developed a cutting-edge radar system that increased detection range by 20% and improved overall accuracy by 15%, leading to a \$50 million contract with the U.S. Department of Defense.
- Designed and implemented a machine learning algorithm for signal processing, resulting in a 25% reduction in false alarms and a 10% improvement in target identification, contributing to a \$30 million increase in annual revenue.
- Led a cross-functional team of 12 engineers to successfully complete a critical project on time and within budget, achieving a 95% customer satisfaction rating and securing a follow-on contract worth \$40 million.

● Associate R&D Engineer at Analog Devices, MA

Sep 2022 - Feb 2023

- Developed a new high-performance signal processing chip, resulting in a 25% increase in data throughput and a 15% reduction in power consumption compared to previous models.
- Led a cross-functional team that successfully completed a complex ASIC design project within a tight deadline, reducing the development cycle by 20% and exceeding customer expectations.
- Identified and resolved critical bottlenecks in the R&D process through process improvements and automation, leading to a 30% increase in overall engineering efficiency.
- Secured two key patents for innovative circuit designs, positioning the company as a leader in the industry and contributing to a 10% increase in market share.

EDUCATION

Master of Science in Engineering and Research Development at Massachusetts Institute of Technology, Cambridge, MA

Sep 2017 - May 2022

Relevant Coursework: Advanced Engineering Mathematics, Research Methods in Engineering, Materials Science, Systems Engineering, Finite Element Analysis, Computational Fluid Dynamics, Engineering Design Principles, Machine Learning, Robotics, and Project Management.

CERTIFICATES

Certified Research and Development Professional (CRDP)

Feb 2022

Certified Systems Engineering Professional (CSEP)

Aug 2020