



# Galina Earby

## Principal Electrical Engineer

Principal Electrical Engineer with 10 years of experience in designing, developing, and implementing complex electrical systems. Adept at leading cross-functional teams, managing projects, and driving innovation in various industries. Proven ability to optimize performance, reduce costs, and ensure compliance with industry standards. Strong analytical and problem-solving skills with a commitment to continuous improvement and staying current with emerging technologies.

[galina.earby@gmail.com](mailto:galina.earby@gmail.com) 

(660) 156-2942 

1234 Maple Street, Richmond,  
VA 23221 

### Education

**Master of Science in  
Electrical Engineering at  
Virginia Tech, Blacksburg,  
VA**

Sep 2009 - May 2013

Relevant Coursework:

Advanced Circuit Analysis,  
VLSI Design, Digital  
Signal Processing, Microwave  
Engineering, Power Electronics,  
Control Systems, Embedded  
Systems, and Communication  
Systems.

### Links

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

### Skills

Circuit Design



Power Distribution



Control Systems



Signal Processing



Embedded Systems



Electromagnetic Compatibility



Microelectronics



## Employment History

### Principal Electrical Engineer at Dominion Energy, VA

Apr 2023 - Present

- Successfully led a team of 10 engineers to complete the design and implementation of a \$5 million power distribution system upgrade for Dominion Energy, VA, resulting in a 15% improvement in overall system efficiency and reliability.
- Developed and executed a comprehensive preventive maintenance program for Dominion Energy's electrical infrastructure, reducing equipment downtime by 25% and saving the company \$2 million annually in maintenance costs.
- Played a key role in the planning and construction of a new \$8 million substation to support Dominion Energy's growing customer base in Northern Virginia, ensuring the project was completed on time and within budget while meeting all technical requirements and safety standards.

### Senior Electrical Engineer at Leidos, VA

Sep 2020 - Feb 2023

- Successfully designed and implemented a power distribution system for a major government facility, resulting in a 20% reduction in energy consumption and saving over \$1.5 million in annual operating costs.
- Led a team of 5 engineers in the development of a cutting-edge radar system for the Department of Defense, which increased detection range by 30% and improved overall system accuracy by 15%.
- Developed and patented an innovative signal processing algorithm that enhanced the performance of communication systems, leading to a 25% increase in data transmission speed and a 10% reduction in power consumption.
- Managed a \$3 million budget for the upgrade of electrical infrastructure at a large manufacturing facility, completing the project on time and under budget while improving overall system reliability and efficiency by 18%.

### Electrical Engineer II at Northrop Grumman, VA

Sep 2013 - Jul 2020

- Successfully designed and implemented a power distribution system for a major defense project, resulting in a 20% increase in energy efficiency and saving the company over \$2 million in operational costs.