



MICHAEL ANDERSON

POWER ELECTRONICS ENGINEER

PROFILE

Results-oriented Power Electronics Engineer with over 5 years of experience in the development and optimization of power systems for telecommunications. Expertise in designing high-performance power supplies and converters that meet rigorous industry standards. Proficient in the use of simulation software for circuit analysis and validation, as well as hands-on experience with prototyping and testing.

EXPERIENCE

POWER ELECTRONICS ENGINEER

Telecom Solutions Inc.

2016 - Present

- Engineered power supply units for wireless communication systems, achieving a 20% increase in efficiency.
- Conducted thermal analysis and implemented cooling solutions to enhance system reliability.
- Streamlined the design process by introducing new CAD tools, reducing lead time by 15%.
- Tested and validated power converters to ensure compliance with FCC regulations.
- Collaborated with software teams to develop integrated solutions for power management.
- Provided technical support to sales teams for customer inquiries and product demonstrations.

JUNIOR POWER ELECTRONICS ENGINEER

Innovative Power Systems

2014 - 2016

- Assisted in the design and testing of DC-AC inverters for renewable energy applications.
- Performed circuit simulations and contributed to the development of prototype systems.
- Supported quality assurance efforts through rigorous testing and documentation.
- Participated in cross-functional teams to enhance product features based on customer feedback.
- Maintained project timelines and communicated progress to project managers.
- Conducted competitive analysis to inform design improvements and innovation.

CONTACT

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SKILLS

- Circuit Simulation
- Power Supply Design
- Thermal Management
- CAD Tools
- Test Automation
- Compliance Standards

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING, UNIVERSITY OF MICHIGAN

ACHIEVEMENTS

- Successfully reduced power supply costs by 18% through component optimization.
- Awarded 'Employee of the Month' for outstanding contributions to the team.
- Enhanced product reliability, leading to a 30% decrease in returns.