

Yasmin Grimes

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SUMMARY

Driven Electrical Engineer with over a decade of experience designing high-performing electrical systems across healthcare, education, and commercial sectors. Expertise includes leading multidisciplinary teams through complex projects while ensuring compliance with industry standards. Proficient in advanced engineering programs like Revit and SKM Power Tools, alongside a robust background in project management. Directed the design and execution of innovative solutions, driving strategic project success and enhancing team collaboration throughout. Committed to mentoring junior engineers, providing them with guidance that fosters growth. Eager to contribute to Innovative Engineering Group's endeavors by delivering exceptional electrical designs.

EXPERIENCE

Senior Electrical Engineer

January 2021 - Present

Innovative Engineering Group

Remote

Serve as Senior Electrical Engineer focusing on scalable lighting and power distribution designs for critical infrastructures. Integrate innovative strategies with comprehensive technical oversight in project delivery. Strengthening communication among teams ensured alignment across various operational scopes.

- Directed creation of detailed electrical system layouts for healthcare facilities ensuring adherence to regulations and optimized performance.
- Fostered collaboration among architectural and construction teams during project design through regular planning sessions.
- Coached junior engineers on best practices in drawing execution, effectively improving project outcomes.
- Led regular quality checks on engineering documents managing risk factors and enhancing deliverable precision.
- Monitored multiple concurrent projects adhering to tight schedules while maintaining financial targets.
- Championed value engineering evaluations leading to design enhancements benefitting overall project efficiency.

Electrical Engineer

March 2016 - December 2020

Green Light Engineering

Washington, DC

Focused on designing cutting-edge electrical systems for commercial applications effectively balancing sustainability with practical use. Collaborated intensively with cross-functional teams to ensure productive workflows and timely results.

- Designed and implemented energy-efficient electrical plans for multiple commercial buildings emphasizing cost controls.
- Coordinated with project leadership during planning phases producing streamlined work schedules connecting timeframes to budgets.
- Analyzed project logistics and provided recommendations through constructive participation in value engineering initiatives.
- Executed comprehensive site assessments validating project requirements aligning physical conditions with preliminary designs.
- Evaluated contractor submissions revising shop drawings against established criteria assuring compliance with all standards.
- Engaged in continuous professional development actively tracking evolving electrical safety codes and trends.

Electrical Engineer

June 2012 - February 2016

Bright Future Solutions

Baltimore, MD

Developed ingenious electrical solutions aimed at transforming educational settings fostering enriching experiences within classrooms. Grounded all efforts in solid principles of design and practicality ensuring educators' needs were met.

- Created diverse control systems enhancing classroom functionality elevating overall learning conditions.
- Assisted senior project managers aligning project expectations with customer objectives to assure successful outcomes.
- Leveraged sophisticated engineering software generating precise electric models supporting clarity in client presentations.
- Delivered consistent support during construction phases directly addressing any challenges manifesting post-demands.
- Contributed to effective teamwork fostering open communication held within regularly scheduled discussions enhancing mutual learning.
- Received praise from clients for stellar implementations resulting in increased satisfaction scores.

LEADERSHIP & AWARDS

- Recognized for Outstanding Project Delivery at Green Light Engineering in 2019
- Achieved Leadership Award for mentorship excellence at Bright Future Solutions in 2015

EDUCATION

Bachelor's Degree in Electrical Engineering

University of Virginia GPA: 3.7

2012

Charlottesville, VA

Coursework: Circuit Theory, Digital Systems, Power Electronics, Control Systems

CERTIFICATIONS

- Professional Engineer (PE) 📅 2021
- LEED Accredited Professional 📅 2016

TECHNICAL SKILLS

- **Engineering Software:** Revit, AGI32, Visual, SKM Power Tools
- **Design Methodologies:** Building Design, Energy Modeling, Lighting Calculations
- **Project Management Tools:** Asana, Trello, Monday.com
- **Construction Standards:** ANSI, NEC, NFPA
- **Communication Tools:** Microsoft Teams, Slack, Zoom
- **Statistical Analysis:** AutoCAD, Mathcad, MATLAB
- **Regulatory Frameworks:** OSHA, EPA, LEED
- **Quality Assessment Tools:** QCAD, BIM 360, Bluebeam
- **Field Inspection Tactics:** Analytical Reviews, Observational Assessments, Report Generations
- **Documentation Platforms:** SharePoint, Documentum, Google Workspace

SKILLS

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|----------------------------|------------------------|------------------------------|----------------------|
| • Electrical System Design | • Client Relations | • Telecommunication Systems | • Value Engineering |
| • Project Management | • Engineering Software | • Construction Documentation | • Cost Efficiency |
| • Quality Assurance | • Light Design | • Code Compliance | • Field Verification |
| • Team Leadership | • Power Distribution | • Mentoring | • Risk Management |

PROFESSIONAL AFFILIATIONS

- Member of the Institute of Electrical and Electronics Engineers (IEEE)
- Active participant in Women's Engineering Society events

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST