

# Karter Dean

## Apprentice Electrician

(217) 555-0123 karter.dean@example.com linkedin.com/in/karterdean 1234 Elm Street, Springfield, IL 62701

### SUMMARY

Dedicated Apprentice Electrician with hands-on experience in electrical systems installation and repair through academic projects. Gained valuable skills assisting licensed electricians, ensuring adherence to safety protocols. Strong communication abilities foster positive customer interactions, and passion for the trade enhances team dynamics. Focused on professional development and eager to contribute effectively to meaningful projects, maintaining compliance with correct practices. Continuously seeking opportunities to grow within Bright Future Electrical Solutions while supporting colleagues in achieving our shared goals of quality work and exceptional service.

### EDUCATION

#### Bachelor's Degree in Electrical Engineering

University of Springfield GPA: 3.7 2026 Springfield, IL

*Coursework: Circuit Analysis, Power Systems, Electromagnetics, Digital Logic Design*

### TECHNICAL SKILLS

- Electrical Tools:** Multimeter, Wire Strippers, Conduit Bender
- Software Applications:** AutoCAD, MATLAB, Microsoft Office
- Safety Procedures:** Lockout/Tagout, PPE Guidelines, Emergency Protocols
- Electrical Systems:** Lighting Installations, Circuit Configuration, Voltage Measurement
- Data Management:** Report Writing, Data Logging, Software Modelling
- Collaboration Tools:** Microsoft Teams, Slack, Zoom
- Project Management:** Trello, Asana, Gantt Charts
- Technical Presentations:** Google Slides, Microsoft PowerPoint, Prezi
- Energy Efficiency Concepts:** Renewable Sources, Smart Grids, Load Management
- Regulatory Standards:** NEC, IEEE Codes, Local Building Codes

### SKILLS

- Electrical Installation
- Team Collaboration
- Equipment Maintenance
- Sustainable Practices
- Safety Compliance
- Problem Solving
- Data Analysis
- Presentation Skills
- Project Management
- Wiring Techniques
- Customer Interaction
- Research Methodology
- Communication
- Conduit Bending
- Technical Documentation

### EXPERIENCE

#### Electrical Installation Assistant

University Project January 2025 - June 2026 Springfield, IL

Supported senior electricians in a university capstone project dedicated to residential wiring installations. In this role, ensured that all tools and materials were readily available, contributing directly to project efficiency. Collaborated actively with teammates, troubleshooting to resolve on-site issues, directly enhancing the project's success and learning outcomes.

- Assisted in measuring, cutting, and bending conduits under sound guidance.
- Promoted a safe workspace by implementing organization for tools and equipment.
- Engaged in teamwork to address challenges during various installations.
- Participated in safety training courses, reinforcing knowledge of industry best practices.
- Contributed to the completion of a cohesive project supporting community standards.
- Maintained ongoing communication regarding project progress with supervisors.

#### Electrical Systems Development

Academic Research September 2024 - December 2025 Springfield, IL

Conducted extensive research focusing on creating energy-efficient electrical systems as part of a university project. Developed comprehensive methodologies alongside faculty members, ensuring high academic and practical standards. Engaged with peers in presenting findings, sharpening public speaking capabilities while demonstrating commitment to sustainable solutions in electrical engineering.

- Intensively researched on innovative components relevant to sustainable design applications.
- Executed data collection and analysis while ensuring thorough documentation.
- Participated in community presentations, sharing insights and gaining feedback.

- Utilized advanced modeling software equipping oneself with vital technical expertise.
- Collaborated with classmates to refine project scopes and enhance overall presentation quality.
- Fostered dynamic discussions surrounding project improvements and leadership aspects.

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## LEADERSHIP & AWARDS

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- Dean's List, 2025
- Best Project Presentation, Electrical Engineering Symposium, 2026

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## CERTIFICATIONS

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- OSHA 10-Hour Safety Training 📅 2026
- Electrical Safety Certification 📅 2026

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## PROFESSIONAL AFFILIATIONS

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- Member, Electrical Engineering Club, University of Springfield
- Volunteer, Community Energy Awareness Program

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## LANGUAGES

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- English (Native) • Spanish (Proficient)

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## ADDITIONAL INFORMATION

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

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## REFERENCES

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AVAILABLE ON REQUEST