

Eli Carey

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SUMMARY

Dedicated and mechanically inclined individual with hands-on experience in electrical and mechanical systems through academic projects and part-time roles. Proven ability to troubleshoot issues efficiently while maintaining a strong work ethic and reliability. Passionate about developing a long-term career in the HVAC and electrical industries, with a commitment to delivering quality service and support. Seeking opportunities that will foster further growth while contributing to team success in generator installations.

EDUCATION

Bachelor's Degree in Electrical Engineering

2026

University of Illinois at Chicago GPA: 3.5

Chicago, IL

Coursework: Circuit Analysis, Electromagnetic Fields, Control Systems, Power Electronics

TECHNICAL SKILLS

- **Electrical Tools:** Multimeters, Oscilloscopes, Circuit Finders
- **Installation Procedures:** Generator Setups, Electrical Connections, Gas Line Installations
- **Safety Equipment:** Safety Glasses, Hard Hats, Protective Gloves
- **Software Applications:** AutoCAD, MATLAB, Microsoft Office
- **Shop Operations:** Equipment Maintenance, Inventory Management, Tool Operation
- **Research Techniques:** Statistical Analysis, Data Collection, Technical Writing
- **Team Collaboration:** Project Meetings, Scholarly Discussions, Peer Feedback
- **Troubleshooting Skills:** Diagnostic Thinking, Analytical Problem Solving, Systematic Testing
- **Physical Abilities:** Heavy Lifting, Detail-Oriented Tasks, Prolonged Standing
- **Customer Communication:** Professional Engagement, Customer Education, Conflict Resolution

SKILLS

- Mechanical aptitude
- Problem-solving
- Communication
- Tool operation
- Electrical systems understanding
- Teamwork
- Safety protocols

EXPERIENCE

Generator Installation Team Member

January 2025 – June 2026

University Project

Chicago, IL

Collaborated within a project team to oversee generator installations for community initiatives focusing on safety and operational effectiveness. Emphasized practical learning by troubleshooting real-world mechanical challenges during installations, which strengthened problem-solving capabilities and teamwork skills.

- Executed installation tasks for generators, ensuring every aspect complied with operational safety standards.
- Troubleshot mechanical faults effectively, enabling prompt resolutions that maintained project timelines.
- Engaged with stakeholders and team members to relay project updates, reinforcing communication avenues.
- Handled power tools responsibly, cultivating equipment management expertise among peers during deployment phases.
- Documented precise installation techniques used throughout the project for consistent reporting and learning opportunities.
- Facilitated brainstorming sessions which led to innovative solutions addressing installation feedback.

Electrical Systems Research Assistant

September 2024 – December 2025

Academic Research

Chicago, IL

Provided research support focused on energy efficiency trends within electrical systems, collaborating closely with faculty to enhance understanding of advanced technologies. Developed relevant technical documentation to present findings and contributed to collective knowledge in the department.

- Participated in various experimental setups aimed at improving electrical system performance parameters.
- Assisted in producing informative presentations for departmental meetings, linking research progress with academic rigor.
- Maintained equipment in lab settings, promoting a safe and effective workspace that adhered to research guidelines.
- Collaborated in peer-led analysis sessions assessing data gathered from experiments, enhancing cooperative study efforts.
- Summarized complex methodologies for clarity and accessibility in formal research submissions.
- Fostered a proactive learning atmosphere by engaging in thoughtful discussions and sharing insights with colleagues.

LEADERSHIP & AWARDS

- Led a safety initiative resulting in key improvements to operational protocols recognized by faculty.
- Awarded Outstanding Team Contributor for embodying collaboration values during group projects.

CERTIFICATIONS

- OSHA 10-Hour Safety Certification 📅 2026
- CPR and First Aid Certification 📅 2026

PROFESSIONAL AFFILIATIONS

- Member of the Student Society of Electrical Engineers, fostering engagement in industry topics.
- Active participant in campus job fairs, connecting with industry professionals and networking.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST