

Kian Hamilton

Motor Vehicle Electrician Apprentice

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 Lancaster, PA 17602

STRENGTHS

-  **Problem Solver**
Frequently resolved issues independently, gaining confidence from peers who sought my help.
-  **Team Player**
Became the go-to person during group activities, known for encouraging collaboration and open dialogue.
-  **Safety-Conscious**
Implemented safety measures consistently, ensuring that all practices met or exceeded legal standards.
-  **Detail-Oriented**
Promoted thoroughness in checking installations, garnering appreciation from supervisors for delivering excellence.
-  **Adaptable Learner**
Progressed rapidly in new tasks, demonstrating a long-lasting commitment to acquiring skills effectively.

SKILLS

- Electrical Installation
- Troubleshooting AC/DC Theory
- Technical Documentation
- Safety Compliance
- Team Collaboration
- Hands-On Learning
- Circuit Assembly
- Prototype Testing
- Research Participation
- Technical Presentation
- Schematic Reading
- Quality Assurance
- Maintenance Practices

SUMMARY

Dedicated electrical apprentice, experienced in installing electrical devices within vehicle platforms. Proven knowledge of AC and DC theory underlies hands-on expertise. Ready to engage in safety-focused environments that prioritize quality, learning on-the-job with a commitment to professional growth. Has actively participated in troubleshooting electrical systems and collaborating within team dynamics to ensure proper installation and repair processes. Passionate about contributing technical skills and a solid work ethic in a supportive apprenticeship setting, eager to expand abilities while adding value through practical contributions.

EDUCATION

Bachelor's Degree in Electrical Engineering
Pennsylvania State University  GPA: 3.75  2027  University Park, PA
Coursework: Circuit Design, Electrical Fundamentals, Power Systems, Safety Standards

TECHNICAL SKILLS

- Electrical Tools:** Multimeter, Oscilloscope, Soldering Iron
- Safety Equipment:** Gloves, Helmets, Lockout/Tagout Kits
- Software Platforms:** MATLAB, PSpice, AutoCAD
- Testing Methodologies:** Functionality Testing, Load Testing, Inspection Techniques
- Project Management:** Trello, Asana, Microsoft Project
- Documentation Tools:** Microsoft Word, Google Docs, Adobe Acrobat
- Presentation Software:** PowerPoint, Canva, Prezi
- Collaboration Tools:** Slack, Microsoft Teams, Zoom
- Electrical Components:** Resistors, Capacitors, Transistors
- Production Methods:** Lean Manufacturing, Six Sigma, Agile

EXPERIENCE

- Electrical Installation Apprentice**
University Project  January 2026 - Present  Lancaster, PA
- Current role as Electrical Installation Apprentice focuses on practical applications of electrical devices in vehicles. This hands-on experience has enhanced both technical skills and an understanding of safety protocols and device compatibility. Collaborating within project frameworks for successful deliverables forms a substantial part of operations.
- Installed various electrical devices on vehicle platforms, enhancing proficiency in installation techniques.
 - Applied knowledge of AC and DC electrical systems during installations, ensuring effective functionality.
 - Assisted with power supply wiring setups, guaranteeing compliance with all relevant safety standards and codes.
 - Participated in troubleshooting efforts for electrical complications, directly contributing to operational success.
 - Collaborated with teams to perform thorough inspections on vehicles post-installation, ensuring quality assurance.
 - Documented and reported installation processes, fostering stronger project management through reliable information sharing.
- Electronics Technician Intern**
University Research Lab  September 2025 - December 2025  Harrisburg, PA
- Role supported innovative research projects by assembling and testing electronic circuits. Hands-on approach encouraged technical documentation skills alongside safety measures within lab equipment. Insights into practical electronics have spurred productivity through collaborative efforts with educational leaders.

Deductive Reasoning

Time Management

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Electrical Installation
Apprentice at University Project
(7 Months)

● Electronics Technician Intern
at University Research Lab (3
Months)

- Helped assemble and test prototypes of intricate electronic circuits, enhancing comprehensive technical capabilities.
- Utilized hand tools and specialized equipment for installation and troubleshooting in controlled settings.
- Developed strong skills in interpreting electrical schematics, sharpening problem-solving techniques effectively.
- Conducted routine checks on lab equipment, ensuring maintenance for continuous operational efficiency.
- Engaged with faculty and peers in refining circuit testing methods, promoting faster project completion timelines.
- Shared research findings through presentations, emphasizing collaborative rallying around technical challenges addressed.

Electrical Systems Developer

Hackathon Project 📅 March 2026 📍 Remote

Focused on designing cutting-edge electrical solutions for vehicles, bringing theory into practice during competitive events. Coordinated efforts across diverse skill sets to develop prototype electric systems, applying creative thinking aligned with teamwork goals.

- Engineered a smart vehicle electrical system prototype over a short timeframe, showcasing construction agility.
- Integrated 12 Volt and 120 Volt components, marries practicality with theoretical knowledge gathered thus far.
- Worked closely with multi-disciplinary teams to resolve functional issues, reinforcing reliability principles.
- Created detailed technical specifications and project results; this presented clearly reflected iterative feedback from mentors.
- Compiled report information addressing challenges encountered, establishing future-learning pathways identified throughout projects.
- Networked with industry professionals fostered connections, enriching personal prospects towards aspiring electrical careers.

LEADERSHIP & AWARDS

- Dean's List, Pennsylvania State University, 2025
- First Place - University Electronics Competition, 2026

CERTIFICATIONS

- OSHA 10-Hour General Industry Certification 📅 2026
- Electrical Safety Certification 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association, Pennsylvania State University
- Volunteer, Local Community Electrical Safety Workshop, 2026

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST