

MICHAEL CARTER

Electrical Design Engineer

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Seattle, WA

Professional summary

Detail-oriented electrical design engineer with a strong foundation in AutoCAD Electrical and PCB design. Experienced in developing detailed schematics and collaborating with multidisciplinary teams to create innovative solutions. Dedicated to ensuring accuracy, safety, and efficiency in all designs.

Education

Bachelor of Science in Electrical Engineering of University of Washington — Seattle, WA

Graduated: June 2025 | GPA: 3.6/4.0

- Relevant Coursework: Advanced Circuit Analysis, PCB Design, Electromechanical Systems

Certifications

- Certified AutoCAD Electrical User (2025)
- OSHA 10-Hour Safety Certification (2024)

Experience

Junior Design Engineer (Intern) May 2024 - August 2024

Cascadia Engineering Group, Seattle, WA

- Created electrical schematics and wiring diagrams using AutoCAD Electrical.
- Collaborated with engineers to design and test circuit boards for industrial equipment.
- Assisted in prototyping and verifying PCB layouts, improving production efficiency by 20%.

Capstone Project

IoT-Based Smart Home System

- Designed a PCB for a central control system integrating IoT devices for home automation.
- Tested and debugged circuit designs to ensure seamless communication between devices.

Skills

Electrical schematic design

Expert

AutoCAD Electrical and SolidWorks

Expert

PCB layout and fabrication

Expert

Testing and troubleshooting circuits

Expert

Strong analytical and communication skills

Expert

AutoCAD Electrical

Expert

SolidWorks

Expert

MATLAB

Expert

LTSpice

Expert

OrCAD PCB Designer

Expert