

# Sam Cipkar

Sterling Heights, MI

Email me on Indeed: <http://www.indeed.com/r/Sam-Cipkar/ac2929889a390858>

- Hardworking individual who uses analytical thinking to approach problems and adapt operations to accommodate for changes while balancing multiple project deadlines.
- Excellent written and oral communication skills, developed through high scoring essays, technical reports and presentations in university and engineering meetings.
- Work well in individual and team environments and will take the lead whenever necessary to ensure cross discipline coordination is achieved.
- Quick to learn new skills and how to use new systems, tools, and software.
- Passionate about clean energy technologies and methods. LEED Green Associate.
- Passed "Fundamentals of Engineering" (FE) exam (EIT). Intend to pursue PE license as soon as required work experience is achieved.

## Work Experience

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### **Electrical Engineer I**

SmithGroup Inc.

October 2019 to Present

- Performed analysis, design, documentation and review of building electrical systems including power distribution, photovoltaic systems, lighting, and fire alarm systems.
- Created state of the art design solutions in coordination with architects, mechanical and structural engineers to ensure complete client satisfaction.
- Led or assisted construction administration of designs that went into construction. Reviewed submittals, RFI's in a timely manner and coordinated with design-build teams to ensure projects were completed on time, on budget, and to client standards and satisfaction.
- Performed assessments of existing infrastructure as well as power flow studies for existing and new electrical systems.

### **Teaching Assistant**

University of Windsor

January 2018 to April 2019

- Technical Communications (06-85-519): Grade written and oral communication assignments and assist professor with in-class activities

### **Electrical Engineering Co-op**

Windsor-Detroit Bridge Authority

- Reviewed proposed submissions for power, lighting, IT and security distribution throughout Canadian and US Ports of Entry and I-75 Interchange.
- Ensured that all parts of the design, comply with the project agreement and respective construction standards as well as engineering best practises.
- Attended Technical Work Groups with engineers, architects, and contractors to ensure that all work was being done properly and holding them accountable.

- Executed sustainability analysis study regarding energy consumption and carbon footprint and recommended a best course of action considering energy costs, implementation costs, and implementation feasibility.

## **Hydro Engineering Co-op**

EnWin Utilities

- Project Management of as many as 20 on-going construction projects involving several third-party companies and multiple hydro contractors.
- Ensured that contractors were building to EnWin approved standards and held them accountable to the terms of the contracts.
- Created a MS Access database to store approved attachment permits and their associated Engineering Drawings and Reports
- Developed a system to efficiently process permit applications that was adaptable to suit the specific needs of individual scenarios.
- Developed a Key Performance Indicator (KPI) system for the department that is easy to use and maintain

## Education

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### **Bachelor of Applied Science in Electrical Engineering**

University of Windsor - Windsor, ON

2015 to 2019

### **Diploma**

Ontario Secondary

2012 to 2015

Virtual Learning Centre - Lindsay, ON

## Skills

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- Communication skills
- Autodesk
- Electrical engineering
- AutoCAD
- Presentation skills
- Construction
- Project management
- NEC
- Teaching
- Revit
- Project coordination
- Maintenance
- Electrical experience
- Drafting

## Certifications and Licenses

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### **Driver's License**

September 2022

### **LEED Green Associate Certification**

October 2023