



B. Experience:

March 2021 to Present

Position: Mechanical Engineer  
Semke Forensic  
3345 Commercial Avenue  
Northbrook, Illinois

Responsible for mechanical engineering projects with emphasis in vehicular accident reconstruction, failure analysis, and mechanical design analysis.

June 2017 to February 2021

Position: Senior Refrigeration Design Engineer  
PolyScience  
6600 W. Touhy Avenue  
Niles, Illinois

Responsible for the design, 3D modeling, prototype construction, lab testing, regulatory compliance, and production implementation of natural refrigeration systems in fractional horsepower chillers, benchtop chillers, and circulator baths.

May 2014 to May 2017

Position: R&D Design Engineer  
True Manufacturing  
O'Fallon, Missouri

Responsible for the design, 3D modeling, prototype construction, lab testing, regulatory compliance, and production implementation of refrigeration systems in commercial and residential refrigerators and freezers.

December 2012 to August 2013 / December 2013 to January 2014

Position: Production/R&D Co-op  
True Manufacturing  
O'Fallon, Missouri

Assisted in writing Bill of Materials, Product Change Notices, prototype construction, and analyzing LabVIEW Data for commercial and residential refrigerators and freezers.

### **III. Seminars and Technical Courses Attended**

2019 – Embraco Natural Refrigerant Webinar  
2021 – Drone Pilot Ground School Training Course  
2021 – Bosch<sup>®</sup> CDR Tool Technician Training by IPTM  
2023 – PC-Crash Live Training Expert Skills  
2023 – Bendix On-Site Air Brake Training  
2024 – Accessing and Interpreting Heavy Vehicle Event Data Recorders (SAE)  
2024 – Advanced Applications of Heavy Vehicle EDR Data (SAE)

### **IV. Professional Affiliations**

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)  
American Society of Mechanical Engineers (ASME)  
Society of Automotive Engineers (SAE)

### **V. Professional Registration**

Registered Professional Engineer in the State of Illinois  
FAA Certified Unmanned Aircraft System (UAS) Pilot

### **VI. Presentations**

1. DuPage County Bar Association (DCBA), May 2023 – *Accident Reconstruction: An Overview.*