SEMKE FORENSIC
A Keystone Company
www.semke.com

Chicago
3345 Commercial Avenue
Northbrook, IL 60062
T 708.478.4000

CURRICULUM VITAE OF SANTOS REYES, P.E.

November 2026

I. General Information

A. Position

Senior Mechanical Engineer
Semke Forensic
3345 Commercial Avenue
Northbrook, Illinois
Telephone: 708-478-4000

II. Professional Summary

A. Education:

Bachelor of Science
Mechanical Engineering
Southern Illinois University - Edwardsville
Edwardsville, Illinois
2014

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© 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.*