

# **Curriculum Vitae**

Paul Nowicki, P. Tech. (Eng.), ACTAR #826

**Anderson Associates Consulting Engineers Inc.**

4270 – 91A Street  
Edmonton, Alberta  
T6E 5V2

July 2024

## **SUMMARY**

- Mechanical Engineering Technology Graduate 1994.
- Accreditation Commission for Traffic Accident Reconstruction (ACTAR) certified 1998.
- Professional Technologist (Engineering) in the Province of Alberta.
- Over 23 years experience as a Mechanical Engineering Technologist.
- Involved full time in Accident Reconstruction and Investigation since 1994.

## **PROFESSIONAL AFFILIATIONS**

- Member, Canadian Association of Technical Investigators & Reconstructionists, CATAIR
- Member, The Association of Science and Engineering Technology, ASET
- Associate Member, Society of Automotive Engineers, SAE
- Certified, Accreditation Commission for Traffic Accident Reconstruction, ACTAR

## **EDUCATION AND TECHNICAL STUDIES**

- Mechanical Engineering Technology: Graduate 1994, Northern Alberta Institute of Technology, Edmonton, Alberta.

### **Supplemental Technical Studies:**

- Recon-3D Training Course, Webinar, February 2024
- World Reconstruction Exposition (WREX), Orlando, Florida, April 2023
- Bosch CDR Tool Technician Training, IPTM Webinar, August 2022
- Motorcycle Collision Reconstruction, Axiom Forensic, Webinar, June 2021
- PC Crash (Tips & Tricks), MEA Forensic, Webinar, February 2021

- Tire Forensics and Accident Investigation, Tennant & Associates, Edmonton, Alberta, April 2018
- Using Multibodies (PC Crash), MEA Forensics, Video Tutorial, April 2018
- Advanced Event Data Recorder Analysis, CATAIR, Edmonton, Alberta, March 2017
- World Reconstruction Exposition (WREX), Orlando, Florida, May 2016
- Event Data Recorder Use in Traffic Reconstruction, Institute of Police Technology and Management, Jacksonville, Florida, January 2016
- Crash Data Retrieval (CDR) Summit, Collision Safety Institute, Houston, Texas, January 2015
- PC Crash (Multibody Models and Using Multibodies), MEA Forensics, Webinar, August 2014
- PC Crash (Collision Model and Staged Collisions), MEA Forensics, Webinar, June 2014
- Accident Reconstruction Seminar, CATAIR, Calgary, Alberta, August 2013
- Advanced Pedestrian/Bicycle Crash Investigation, Institute of Police Technology & Management, Calgary, Alberta, August 2013
- PC Crash Essentials (Introduction, Vehicle Control, and Looking at the Results). MEA Forensic Webinar, July 2013
- Spring Skid Testing, CATAIR, Edmonton, Alberta, June 2013
- Winter Skid Testing, CATAIR, Edmonton, Alberta, February 2013
- CATAIR – “Crash Data Retrieval (CDR) Analyst and Applications Update” course including written exam, Crash Data Specialists, September 2011 - Calgary, Alberta
- CATAIR – “Human Factors in Traffic Crashes” course including written exam, Accident Dynamics Research Center, October 2009 – Edmonton, Alberta
- CATAIR – “Crash Data Retrieval Technician” and “Crash Data Retrieval Data Analyst” courses, including written exam, Collision Safety Institute, September 2008 – Edmonton, Alberta

- CATAIR – “Motorcycle Crash Investigation” course, including written exam, Institute of Police Technology & Management, September 2007 – Edmonton, Alberta
- CATAIR – “Crash Data Retrieval Operator’s Certification” course, including written exam, October 2006 – Edmonton, Alberta
- CATAIR – “Driver Response Time (Drive 3)” course, including written exam, November 2004 – Edmonton, Alberta
- CATAIR – “Low Speed Testing of EDR Equipped Vehicles”, Edmonton, Alberta, April 2004
- CATAIR – 2003 annual seminar and course, November 2003 – Edmonton, Alberta, “Crash Data Retrieval (CDR) System Operator” Course including written exam.
- CATAIR – 2002 annual seminar and course, August 2002 - Edmonton, Alberta, “Pedestrian/Bicycle Accident Investigation” Course including testing sessions and written exam.
- CATAIR – Prairie Region, Telford Lake, Alberta, February 2001, “Tire to Ice Testing”
- Bodily Injury Seminar, April 2000 – Edmonton, Alberta: Attended a seminar dealing with injury potential in low speed collisions.
- CATAIR 1999 annual seminar and course, August 1999 - Edmonton, Alberta: Successfully completed the "Commercial Vehicle Reconstruction" course, including braking workshops and studies of roadway evidence as well as a written exam.
- SAE Congress 1998, February 1998 - Detroit, Michigan: Attended Accident Reconstruction and Safety related Paper Presentations at the SAE Congress.
- CATAIR 1997 annual seminar, August 1997 - Calgary, Alberta: Successfully completed the "Motorcycle Accident Investigation" course, including braking and handling workshops and studies of roadway evidence as well as a written exam.
- Successfully completed "Measuring at The Scenes of Traffic Accidents" independent study program through the Northwestern University Traffic Institute, Evanston, Illinois, including a written exam, 1995.

## COURT APPEARANCES

- Accepted as an expert witness in the field of Motor Vehicle Accident Reconstruction in the Provincial Court of Alberta.
- Accepted as an expert witness in the field of Motor Vehicle Accident Reconstruction in the Court of Queen's Bench of Alberta.
- Accepted as an expert witness in the field of Motor Vehicle Accident Reconstruction in the Provincial Court of Saskatchewan.

## PROFESSIONAL EXPERIENCE

**Anderson Associates Consulting Engineers Inc.** November 1999 to Present  
Partner/Accident Investigator/Engineering Technologist  
Edmonton, Alberta

Anderson Associates is a consulting engineering firm that offers services in a variety of engineering projects. The firm primarily performs motor vehicle accident investigations, fire investigations, failure analysis, and metallurgical work. My duties in the company include:

- Accident reconstruction and investigation.
- Analysis of automobile, motorcycle, pedestrian and bicycle motion, pre-impact and post-impact.
- Friction testing and analysis.
- Seat belt usage analysis and effectiveness.
- Analysis of vehicle damage, skid marks and accident locations.
- Photogrammetric analysis, including reverse projection photogrammetry.
- Total station and manual survey of accident sites.
- Computer aided drafting of vehicles, accident locations and scenarios.
- Computer aided simulation of motor vehicle accident.
- Dynamic vehicle testing (lateral, acceleration, braking).
- Slip and fall analysis.
- Mechanical inspections and failure analysis.
- Data acquisition using the CDR (Crash Data Retrieval) system.

**Graham Ryan Consulting Ltd.** October 1998 to October 1999  
Accident Investigator  
Accident Reconstruction Engineering, Edmonton, Alberta

Graham Ryan Consulting Ltd. specializes in the field of motor vehicle accident investigation and reconstruction and is involved in staged vehicle

crash testing. I joined the company in October 1998 and was actively involved in all types of motor vehicle investigations as well as low speed crash testing. My duties included the following:

- Accident reconstruction and investigation.
- Analysis of automobile, motorcycle, pedestrian and bicycle motion, pre-impact and post impact.
- Friction and deceleration rate testing and analysis.
- Vehicle acceleration testing.
- Low speed vehicle crash testing.
- Seat belt usage analysis and effectiveness.
- Analysis of vehicle damage, skid marks and accident locations.
- Survey of accident sites.
- Computer aided drafting of vehicles, accident locations and scenarios.

**Anderson Associates Consulting Engineers Inc.,** June 1994 to October 1998

Engineering Technologist/Accident Investigator  
Edmonton, Alberta

Anderson Associates is a consulting engineering firm that offers services in a variety of engineering projects. The firm primarily performs motor vehicle investigations, fire investigations, industrial failures, and metallurgical work.

During my four and a half years with the firm, I was primarily involved in the motor vehicle investigation field and worked on all types of motor vehicle accident investigations. My duties in the company included:

- Accident reconstruction and investigation.
- Analysis of automobile, motorcycle, pedestrian and bicycle motion, pre-impact and post-impact.
- Friction testing and analysis.
- Seat belt usage analysis and effectiveness.
- Analysis of vehicle damage, skid marks and accident locations.
- Photogrammetric analysis, including reverse projection photogrammetry.
- Total station and manual survey of accident sites.
- Computer aided drafting of vehicles, accident locations and scenarios.
- Computer aided simulation of motor vehicle accidents.

Prior to graduating from the Mechanical Engineering Technology program, I was employed in the following technical positions:

**NENCO, Northern Engineering Consultants, Draftsman** 1992

- Manual and computer aided drafting of architectural nature.

**The Design Group, Assistant Surveyor** 1990-1991

- Survey of project area.
- Quality control and testing.
- Production progress reporting.

**The Design Group, Dredge Inspector** 1990

- Progress reporting.
- Preparation of material diagrams.
- Quality control.

July 22, 2024

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Date