CURRICULUM VITAE

Andrew Kan, B.Sc., P.Eng. *(he/him)*

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EXPERT SUMMARY

Mr. Andrew Kan is an Associate with the Collision Reconstruction group in 30 Forensic Engineering's Calgary office. He holds a Bachelor of Science (Mechanical Engineering, Biomedical option) from the University of Alberta. Andrew conducts vehicle and site examinations for collisions involving pedestrians and different types of vehicles, including automobiles, trucks, motorcycles, bicycles, and other heavy machinery. He is also a Certified Forensic Video Technician (CFVT) through the Law Enforcement & Emergency Services Video Association (LEVA). Andrew is a Professional Engineer in the provinces of Alberta and British Columbia and is a member of the Society of Automotive Engineers (SAE) and the Canadian Association of Technical Accident Investigators and Reconstructionists (CATAIR). He has worked in the forensic engineering industry for over 10 years.

SPECIALIZED PROFESSIONAL COMPETENCIES

- Collision Scene Assessments
- Vehicle Mechanical Examinations
- Event Data Recorder Data Retrieval and Analysis
- Restraint System Usage and Effectiveness Assessment
- Vehicle Dynamics Modelling and Simulations

ACADEMIC BACKGROUND

Bachelor of Science with Distinction in Mechanical Engineering (Biomedical option), University of Alberta, 2011

ADDITIONAL COURSES

- LEVA Level 3: Forensic Video/Image Compare & Contrast, Law Enforcement & Emergency Services Video Association (LEVA), September 22 – 26, 2025
- LEVA Level 2: Digital Multimedia Evidence Processing, Law Enforcement & Emergency Services Video Association (LEVA), Calgary, Alberta, October 7-11, 2024
- Photomodeler for Collision Investigation Certification, Photomodeler Technologies, April 22-25, 2024

- LEVA Level 1: Forensic Video Analysis & the Law, Law Enforcement & Emergency Services Video Association (LEVA), University of New Haven, June 5-9, 2023
- World Reconstruction Exposition (WREX), Orlando, Florida, April 17-21, 2023
- Motorcycle Collision Reconstruction, Axiom Forensic, Online Training, June 2021
- PC Crash (Tips & Tricks), MEA Forensic, Webinar, February 2021
- Advanced Crash Reconstruction Utilizing Human Factors, Northwestern University, Center for Public Safety, Evanston, Illinois, May 2019
- Johnson Forensics GS-1 Tribometer Operator Level I and II, Substratum Group, Edmonton, Alberta, April 2018
- Tire Forensics and Accident Investigation, Tennant & Associates, Edmonton, Alberta, April 2018
- Using Multibodies (PC Crash), MEA Forensics, Video Tutorial, April 2018
- Mould and Asbestos Awareness, EHS Partnerships, Edmonton, Alberta, May 2017
- Advanced Event Data Recorder Analysis, CATAIR, Edmonton, Alberta, March 2017
- World Reconstruction Exposition (WREX), Orlando, Florida, May 2016
- Motorcycle Crash Investigation, Institute of Police Technology & Management, Calgary, Alberta, September 2015
- PC Crash (Animations I and Animations II), MEA Forensics, Webinar, May 2015
- Advanced Commercial Vehicle Crash Investigation, Institute of Police Technology & Management, Jacksonville, Florida, November 2014
- PC Crash (Rollovers and Rollover Reconstruction), MEA Forensics, Webinar, October 2014
- PC Crash (Using Multibodies and Multibody Models), MEA Forensics, Webinar, August 2014
- PC Crash (Collision Model and Stage Collisions), MEA Forensics, Webinar, June 2014
- 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
- Event Data Recorder Use in Traffic Crash Reconstruction, Institute of Police Technology and Management, Columbus, Ohio, September 2012

PROFESSIONAL EXPERIENCE

30 Forensic Engineering

Associate, Collision Reconstruction
2022 – Present, Calgary, AB

- Conduct technical investigations involving motor vehicle collisions

- Field examination and data collection from collision scenes
- Vehicle damage assessments including event data recorder data retrieval and analysis

Anderson Associates Consulting Engineers Inc.

Mechanical Forensic Engineer
2010 – 2022, Edmonton, AB

- Conduct technical investigations involving motor vehicle collisions
- Field examination and data collection from collision scenes
- Vehicle damage assessments including event data recorder data retrieval and analysis
- Personal injury investigation including slip and fall, trip and fall, and other incidents

University of Alberta – Department of Mechanical Engineering

Co-operative Student
2008 – 2009, Edmonton, AB

- Concept design and prototype manufacturing of a novel emergency medical device and airflow testing apparatus, including 3D solid modeling and application testing

PROFESSIONAL SOCIETIES AND ASSOCIATIONS

- Association of Professional Engineers and Geoscientists of Alberta (APEGA), Member
- Engineers & Geoscientists British Columbia (EGBC), Member
- Society of Automotive Engineers (SAE), Associate Member
- Canadian Association of Technical Accident Investigators & Reconstructionists (CATAIR), Member
- Law Enforcement and Emergency Services Video Association (LEVA), Associate Member and Certified Forensic Video Technician

PUBLICATIONS AND SPEAKING ENGAGEMENTS

- “Technologies and Techniques of Modern Collision Reconstruction,” Calgary, AB, June 2024