CURRICULUM VITAE

Greg Prentice, B.Eng., P.Eng.

(416) 368-1700 | gprentice@30fe.com
902 – 40 University Ave., Toronto ON M5J 1T1

EXPERT SUMMARY

Greg Prentice is a Senior Associate with the Collision Reconstruction group at 30 Forensic Engineering. He graduated from the University of Guelph with a Bachelor of Engineering (Biomedical) and is a registered professional engineer in Ontario. He is also a Certified Forensic Video Technician (CFVT) through the Law Enforcement & Emergency Services Video Association (LEVA) and has expertise with extractive positions and speeds from moving and stationary video sources. He also has expertise in vehicle examinations and extracting and analyzing digital evidence from the vehicles, including event data recorders, infotainment systems and vehicle camera systems. Greg joined 30 Forensic Engineering in 2021 after six years working in the industry specializing in motor vehicle collision and accident reconstruction along with biomechanical investigations where he has been involved in over 500 investigations.

SPECIALIZED PROFESSIONAL COMPETENCIES

- Collision Reconstruction
- Collision Injury Biomechanics
- Human Factors
- Occupant Kinematics
- Fraud Assessment
- Pedestrian Collisions
- Bicycle Collisions
- Slip, Trip & Fall Biomechanics
- Staircase Assessment
- Gait Analysis
- Sports Injuries
- Video Analysis

ACADEMIC BACKGROUND

Bachelor of Engineering, Honours, Biomedical Engineering, University of Guelph, 2015

ADDITIONAL COURSES

- Photogrammetry 1: PhotoModeler and SynthEyes for Forensic Video Analysis, Law Enforcement & Emergency Services Video Association (LEVA), December 9 – 13, 2024, Online
- Vehicle Systems Forensics Course (Berla), May 2024, Orillia, ON
- LEVA Level 4: Advanced Forensic Video Analysis & The Law, Law Enforcement & Emergency Services Video Association (LEVA), January 16-20, 2023, Online
- LEVA Level 3: Principles of Forensic Video/Image Compare & Contrast, Law Enforcement & Emergency Services Video Association (LEVA), August 15 – 19, 2022, Online
- LEVA Level 2: Digital Multimedia Evidence Processing, Law Enforcement & Emergency Services Video Association (LEVA), May 2 – 6, 2022, Toronto Police Headquarters
- LEVA Level 1: Forensic Video Analysis and the Law, Law Enforcement & Emergency Services Video Association (LEVA), January 17 – 21, 2022, Toronto Police College
- "The Nuances of Collision Reconstruction and Human Factors Assessments in MVAs Involving Motorcycle", 30 Forensic Engineering, May 2021
- "Examining and Cross-examining Experts: Winning Strategies, Trends and Solutions", The Advocates' Society, 2016-2021
- "Acceleration rates for vehicles starting from a stop position", In-house webinar, July 2020
- "A collision reconstructionist's guide to motorcycle collision analysis", In-house webinar, Advantage Forensics, July 2020
- "Probability of frontal airbag deployment in bumper-bumper and underride collisions", In-house webinar, Advantage Forensics, July 2020
- "Identifying road design issues related to traffic accidents", In-house webinar, Advantage Forensics, June 2020
- "Forensic engineering outlook of failure analysis in product and mechanical systems", In-house webinar, Advantage Forensics, June 2020
- "Looming thresholds in analyzing traffic accidents", In-house webinar, Advantage Forensics, June 2020
- "Automated vehicle data forensics", In-house webinar, Advantage Forensics, June 2020
- "Performance of autonomous emergency braking", In-house webinar, Advantage Forensics, June 2020
- "Vehicle Forensics Essentials", series course, Berla Corporation, June 2020
- "Video Evidence and Photogrammetry – From the Field Through Analysis", iNPUT-ACE video symposium, June 2020
- "Getting started with iNPUT-ACE v. 2.6", iNPUT-ACE video symposium, June 2020
- "Photoshop in the Video Analysis Workflow", iNPUT-ACE video symposium, June 2020
- "More Than Meets the Eye", iNPUT-ACE video symposium, June 2020
- "DVR Evidence Recovery – The Good, the Bad and the Ugly", iNPUT-ACE video symposium, June 2020
- "Calculate Accurate Timing from Video", iNPUT-ACE video symposium, June 2020

- "Violent Crime Digital Evidence Recovery during Covid-19. How Major Cities are Adjusting Workflows," iNPUT-ACE video symposium, June 2020
- "Analysis and Interview for Force Investigations," iNPUT-ACE video symposium, June 2020
- "Legal Issues and Trends Related to Video Admissibility," iNPUT-ACE video symposium, June 2020
- "Conducting a Video-Centric Investigation: Preparing for the End-Game," iNPUT-ACE video symposium, June 2020
- "PC-Crash Training Course: 401 Staged Collisions", online course, PC-Crash, April 2020
- "Human Factors Related to Perception Reaction Times," Advantage Forensics training workshop, Toronto, April 2020
- "The Democratization of Video Evidence: Equipping Investigators with Modern Tools and Know-How", webinar, iNPUT-ACE, February 2020
- "A Powerful Approach for Video Evidence: How to Combine Point Clouds and State-of-the-Art Scene Mapping", webinar, iNPUT-ACE & Leica Geosystems, September 2019
- 2018 CATAIR National Conference, Ontario Police College, August 2018
- Crash Data Retrieval Operators Course, CATAIR, Durham Regional Police Association, June 2018
- "Forensic Video Analysis Workflow Training", iNPUT-ACE, Boston, 2018
- U.S. Department of Defense/NIST/ASTM "Biomechanics & Footwear Standards", Webinar, 2018
- "Drug Recognition Evaluator Program & Cannabis", webinar, CARSP, 2017
- "Persuasive Communication", webinar, Experts.com, 2017
- "Features and Accuracy of EDR Downloads", Advantage Forensics in-house training workshop, 2017
- Tire Forensics & Accident Reconstruction Seminar, CATAIR, Toronto Police College, 2017
- Slips, Trips & Falls International Conference, Toronto Rehabilitation Institute, Toronto, 2017
- "Advanced Collision Reconstruction with CDR Applications", CATAIR, Durham, 2016
- Collision Reconstruction Journal Review Series, Advantage Forensics in-house seminar, Toronto, 2016
- "PC Crash 10.0 Assumptions & Inputs" workshop, Advantage Forensics in-house training, Toronto, 2016
- "Crush Energy Analysis" workshop, Advantage Forensics in-house training, Toronto, 2015
- "PC Crash 10.0 Simulation & Analysis" workshop, Advantage Forensics in-house training, Toronto, 2015

PROFESSIONAL EXPERIENCE

30 Forensic Engineering

Senior Associate, Collision Reconstruction
2026 – Present, Toronto, ON

- Conduct technical investigations primarily involving motor vehicle collision reconstruction, including site and vehicle examinations

Associate, Collision Reconstruction
2021 – 2026, Toronto, ON

Advantage Forensics Inc.

Senior Forensic Engineer
2020 – 2021, Toronto, ON

- Conducted, and managed a team responsible for conducting, motor vehicle collision reconstruction, including pedestrian collisions and bicycle collisions
- Conducted investigations involving slip, trip and fall analysis, human factors, biomechanical analysis, occupant kinematic analysis and video analysis

Forensic Engineering Associate
2015 – 2020, Toronto, ON

- Member of a team responsible for conducting motor vehicle collision reconstruction and investigations involving slip, trip and fall analysis, human factors, biomechanical analysis, occupant kinematic analysis and video analysis

University of Waterloo, Neuroscience, Mobility and Balance Lab (NiMBaL)

Research Assistant
2013 – 2014, Waterloo, ON

- Assisted with data analysis, experimental setup and research documentation for a stroke rehabilitation methodology study as well as experimental setup and analysis of various other studies involving biomechanics and neurology

McGill University, Ice Hockey Research Group

Research Engineering Assistant
2014, Montreal, QC

- Led a research team conducting a private ice hockey concussion study

PROFESSIONAL SOCIETIES AND ASSOCIATIONS

- Professional Engineers Ontario (PEO), Member
- Canadian Association of Technical Accident Investigators and Reconstructionists (CATAIR), Member
- Canadian Society for Biomechanics, Member
- Berla, Certified Vehicle System Forensic Examiner (CVSE), Certified Vehicle System Forensic Operator (CVSO), and Certified Vehicle System Forensic Technician (CVST)
- Law Enforcement and Emergency Services Video Association (LEVA), Associate Member and Certified Forensic Video Technician (CFVT)

SPEAKING ENGAGEMENTS

- “Speed Determination from Dashcam Video,” LEVA 36th Annual Symposium, Idaho, October 2025
- “Verdict Through Video – A Guide to Navigating Video Evidence and Experts,” Howie, Sacks and Henry LLP, Toronto, ON, June 2024

- "The Eyes of Justice – Maximizing the Impact of Video Evidence in Litigation," Howie, Sacks and Henry LLP, Toronto, ON, April 2024
- "The Digital Witness – The Use and Limitations of Photo and Video Evidence," CASIU, March 2024
- "Forensics of Biomechanics and Collision Reconstruction," Guest Lecture, ME598/CIV460 Engineering Biomechanics Course, University of Waterloo, March 2022
- Expert witness, "Examining and Cross-examining Experts," Advocates Society, Toronto, ON, 2016-2021
- "Calculating vehicle impact speed in multiple pedestrian collisions," Advantage Forensics webinar, Toronto, ON, July 2020
- "Forensics of Human Factors & Ergonomics, Case Studies," Guest Lecture, MIE345 Engineering Undergraduate Course, University of Toronto, 2016 – 2020
- iNPUT-ACE forensic video analysis training seminars, Advantage Forensics, Toronto, ON, 2020
- "Musculoskeletal Disorders in Human-Centred Systems & Forensics," Guest Lecture, MIE240 Engineering Undergraduate Course, University of Toronto, 2019
- "Forensic Biomechanics," Guest Lecture, MIE439 Engineering Undergraduate Course, University of Toronto, 2018 – 2019
- "Pushing the New Boundaries of Slip and Fall Investigations: Pilot Results from Comparative COF Testing of Silastic Test Sensors", Panel Presenter, UHN Slips, Trips, and Falls International Conference, 2017

PUBLICATIONS

- Perera, N., Griffiths, H., & Prentice, G. (2025). Validation of SynthEyes for use in Collision Reconstruction (No. 2025-01-8688). SAE Technical Paper.
- Young, J. et al. (2018). Categorizing Unintended Acceleration/Pedal Misapplication Collisions from Event Data Recorders, Canadian Association of Road Safety Professionals.

COURT APPEARANCES

- Qualified as an Expert Witness in Collision Reconstruction and Forensic Video Analysis for the Ontario Court of Justice, November 2024