

# Michael D. Rice

Kingston, Ontario

## EDUCATION

Basic Constable Training Program, Diploma (1999)  
Ontario Police College

Ambulance and Emergency Care, Diploma (1992)  
Niagara College of Applied Arts and Technology

## CERTIFICATION

- Certified under the Transport Canada Canadian Aviation Regulations (CARS) to fly advanced RPAS's for commercial areas, including urban built up locations across Canada in class C, D, E, F, G airspace
- Level 3 Collision Investigator
- Level 4 Reconstructionist
- Pix 4D Aerial Mapper Licenced – Collision Reconstruction
- Drone Deploy Aerial Software

## PROFESSIONAL EXPERIENCE

Michael is a remotely piloted aerial systems operator specializing in field investigations and aerial scene mapping using pix4d and drone deploy software for collision reconstruction. He is a level 3 technical collision investigator and a level 4 collision reconstructionist and is trained in crash data retrieval, pedestrian collision investigation, motorcycle collision investigation and heavy truck collision investigation. Michael is also a commercial motor vehicle inspector who has worked with community partners such as the Ontario Provincial Police, Ministry of Transportation as well as numerous municipal police agencies with strategic enforcement initiatives. He has 22 years of policing experience and 25 years of experience in the medical field as a paramedic.

### March 2020 to present

*Remotely Piloted Aerial Systems Operator and Collision Reconstructionist, **Origin & Cause Inc.***

- Commercial expertise with operational Remotely Piloted Aerial Systems for site inspections, pre-loss and post-loss
- Operate advanced RPAS to support field investigations in the areas of:
  - Roof Inspections (drone deploy roof reports)
  - Building /structural inspections (interior and exterior)
  - Fire scene investigations (residential, commercial, or large scale)
  - Natural disaster requiring area mapping for floods, wind damage, forest fire, ice storm (2D/3D)
  - Explosion scene investigation
  - Site mapping for two dimensional and 3-dimensional modelling
- RPAS fleet will include a thermal sensor RPAS and an all-weather, heavy inspection RPAS for industrial and large-scale site Inspections
- Capture high definition video and digital imaging at 4K resolution for pre-loss and post-loss reports by adjustors on site
- Insured for \$2 million liability for commercial deployment of the RPAS
- Extensive background in emergency services including site evaluations for safety, traffic safety, and motor vehicle collision investigation
- Motor Vehicle Collision Analysis Review reports

### 2002 to Present

*Police Officer, **Niagara Regional Police Service***

### 1999 to 2002

### *Police Officer, Quinte West*

- On a daily basis in my position as a Police Officer, I am required to make sound, practical, intelligent and timely decisions after listening to all sides of an argument with courtesy and patience. In order to protect and promote safety and quality of life for the residents of the Kingston area, I must remain impartial and demonstrate good judgement when making decisions. Responsibilities at the KPS include the following:
  - Enforcement of the Criminal Code of Canada
  - Enforcement of the Highway Traffic Act
  - Enforcement of the Provincial Offences Act
  - Engaging with the community to ensure the safety and support of all citizens including marginalized and special populations

### 1991 to 2015

#### *Paramedic Management, Hastings County*

- Primary Care Paramedics administer pre-hospital emergency medical care to patients with injuries or medical illnesses and transport them to hospitals or other medical facilities for further medical care. They are employed by private Ambulance Services, hospitals, fire departments, government departments and agencies, manufacturing firms, mining companies and other private sector establishments. Responsibilities at Hastings County EMS included the following:
  - Periods of intense psychological stress or trauma
  - Dealing with hostile or mentally ill individuals
  - Consultation with other professional agencies
  - Having exemplary listening, communication and interpersonal skills
  - Having an interest in people and humanity, including cross-cultural experience and community engagement
  - Ability and experience in making sound, practical and timely decisions involving complex factors
  - Shift work and extended work days

### COMMERCIAL MOTOR VEHICLE CERTIFICATION

- North American Standard Inspection Course- Commercial Vehicle Safety Alliance (2016)
- Annual Certification – 32 Level 1 Inspections of Commercial Motor Vehicles
- Criminal Interdiction- Pipeline Convoy Course (2006)

### TRAFFIC SAFETY OFFICER CERTIFICATION

- Advanced Pilot – Remotely Piloted Aircraft System –Transport Canada (2019)
- Technical Mapping Inc. – PIX4D (2019)
- Magnet Office (2019)
- Aeronautical Restricted Radio Operator (2018)
- Unmanned Aerial Vehicle School – Transport Canada (2018)
- Aeryon SkyRanger Uav Basic Training Course (2018)
- Pedestrian Collision Reconstruction (2018)
- Crash Data Retrieval/ Analysis and Applications (2017)
- Acceleration and Vericom (2016 and 2014)
- Advanced Motorcycle Crash Analysis (2016)
- Total Station/Evidence Recorder (2016 and 2013)
- Northwestern University Commercial Truck Reconstruction (2014)
- Collision Reconstructionist (2014)
- Technical Collision Investigator (2014)

- Crime/Crash Zone (2013)
- Scenes of Crime Identification Course (2003)
- On Scene Collision Investigation Level II (2002)

#### **POLICE INVESTIGATIVE/LEADERSHIP COURSES**

- Building Leadership Strength Through Self Awareness (2017)
- Investigative Interview Techniques (2016)
- Deeley Harley Davidson Motorcycle Course (2012)
- Biker Enforcement Frontline Course (2010)
- Carbine Operator Course – Yearly Requalification (2010)
- Search Warrant Course (2009)
- Influential Police Leadership (2008)
- Business Writing (2008)
- Police Customer Service at the Front Line (2007)
- Interviewing and Interrogation Course (2007)
- General Investigation Training Course (2007)
- Accessible Training Course under Disability Act (2007)
- Domestic Violence Investigation Course (2006)
- Surveillance Foundations – Criminal Intelligence Service Ontario
- Facilitate Adult Learning Course (2005)