

## CURRICULUM VITAE - 9/23

Michael T. Hale  
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### PROFESSIONAL EXPERIENCE

8/2017 – Present: *Investigator*, Orange County District Attorney's Office – Vehicular Homicide Unit, Santa Ana, California. I investigate and reconstruct vehicular homicide cases. I assist in prosecution and evaluating cases with DA's to consider appropriate charging, and recommend dismissal or lessening of charges in some cases. I am called upon to evaluate the reconstruction work of law enforcement and defense experts to determine if conclusions are correct and/or reasonable. I provide expert testimony as required. I also am called upon to assist allied agencies and prosecutors offices with search warrants, reconstruction, analysis, and case consultation.

2/1997 – 8/2017: *Police Officer / Detective*, Arcadia Police Department, City of Arcadia, California.

*Police Officer* – Patrol Operations, Mounted Enforcement Unit, Traffic, Motors, Explorer Post Advisor, Interim Field Training Officer, cross-trained in Dispatch and CAD. 1997-2007.

*Investigations* – Major Accident Investigations Team (M.A.I.T.), member 2004-2007, Lead Investigator 2007-2017. Traffic / GTA investigations desk, with collateral service duties in the City of Arcadia Traffic Advisory Committee (TAC), the High Tech Crimes Unit, the Los Angeles region Internet Crimes Against Children (ICAC) task force, and the Los Angeles District Attorney's Computer Emergency Response Team (CERT).

*Air-Operations* – Tactical Flight Officer, Pasadena Police Department, Air Operations Section – Foothill Air Support Team (FAST). 12/2010 – 8/2017.

*Arcadia Police Officers' Association* – Vice President 11/2005 – 12/2010.

11/2008 – 8/2017: *Sole Proprietor*, Michael T. Hale & Associates, Fontana, California. Consulting, Traffic Collision Reconstruction, Computer Forensics, Expert Witness.

8/2009 – 1/2011: *Adjunct Instructor*, Everest College, Ontario, California. Ontario Metro Campus – Criminal Justice Program. Taught courses in Criminal Justice and Forensics.

5/2008 – 7/2010: *Senior Reconstructionist*, CRASHTEAMS, Southern California. Evaluated, investigated, and reconstructed cases for attorneys, insurance companies, and private parties.

1/1995 – 2/1997: *Reserve Police Officer*, South Pasadena Police Department, City of South Pasadena, California.

2/1990 – 2/1997: *Senior Supervisor*, Westec Security, Pasadena Branch, Pasadena, California. I was responsible for approx. 80 security officers and supervisors. I coordinated hiring, training, discipline and terminations. I produced shift schedules, and was responsible for fleet operations including approx. 25 vehicles. I assisted with budgeting and corporate Profit & Loss reporting.

## MEMBERSHIPS

- California Association of Accident Reconstruction Specialists (CA<sup>2</sup>RS)
- High Technology Crime Investigation Association (HTCIA)
- High Tech Crime Consortium (HTCC)
- Airborne Law Enforcement Association (ALEA)
- Southern California Traffic Investigators' Association (SOCTIA)
- Orange County Homicide Investigators' Association (OCHIA)
- Southwestern Association of Technical Accident Investigators (SATAI)
- California Peace Officers Association (CPOA)
- Peace Officers' Research Association of California (PORAC)
- Peace Officers' Association of Los Angeles County (POALAC)
- Arcadia Police Officers' Association (APOA)
- California Mounted Officers' Association (CMOA)
- California District Attorney Investigators' Association (CDAIA)

## EDUCATION / SPECIALIZED TRAINING AND CERTIFICATION

*Master of Arts*, Organizational Leadership.  
Woodbury University – Burbank, CA (8/09)

*Bachelor of Science*, Criminal Justice Management.  
Union Institute & University – Cincinnati, OH / Los Angeles Campus (4/08)

*Basic* (8/98), *Intermediate* (4/04), & *Advanced* (8/07) *P.O.S.T. Certificates*.  
California Commission on Peace Officer Standards and Training – Sacramento, CA

*Deputy Leadership Institute*, Continuum 13.  
Los Angeles County Sheriff's Department – Valencia, CA (3/13)

## LAW ENFORCEMENT / DUI / TRAFFIC:

Reserve Police Academy Class #57 (12/93); Basic Academy Module D Class #1 (8/96);  
Administration of Justice Program (Summer Quarter 2001).  
*Rio Hondo Community College – Whittier, CA*

## LAW ENFORCEMENT / DUI / TRAFFIC (cont.):

Less Lethal Stun Bag Deployment

*Arcadia Police Department – Arcadia, CA (5/97)*

Colt M-16 / AR-15 Patrol Rifle Course

*Arcadia Police Department – Arcadia, CA (7/97)*

IR-3000 Alcohol Breath Testing

*Los Angeles County Sheriff's Department – Downey, CA (8/97)*

Jail Operations

*San Bernardino County Sheriff's Department – San Bernardino, CA (9/97)*

Field Tactics

*Rio Hondo Community College – Whittier, CA (2/98)*

Clandestine Laboratories

*Riverside County Sheriff's Department, South Pasadena, CA (12/98)*

Mounted Officer Sensory Training

*San Diego PD / California Mounted Officers' Association, Solvang, CA (6/99)*

Basic Mounted Officer Course

*LAPD / Palm Springs PD / Mounted Tactical Services, Palm Springs, CA (11/99)*

Equitation – California Mounted Officers' Association

*Royal Canadian Mounted Police / Pomona PD, Pomona, CA (11/99)*

Domestic Violence – First Responders.

*San Diego County Sheriff's Department – San Diego, CA (3/00)*

Advanced Subject Contacts

*San Bernardino County Sheriff's Department, San Bernardino, CA (6/01)*

Traffic Radar Operator & Laser Operator

*Los Angeles County Sheriff's Department, Whittier, CA (11/01)*

Motorcycle Officer Enforcement Course / Motor School

*Los Angeles County Sheriff's Department, Pomona, CA (6/02)*

Engine Modifications / Vehicle Emissions Tampering / Street Racing & Vehicle Theft

*CA EPA / California Air Resources Board / Irwindale PD - Arcadia, CA (8/03)*

Street Gangs & Sub-Cultures

*Los Angeles County Sheriff's Department, Los Angeles, CA (2/05)*

WMD Law Enforcement Protective Measures (COBRA)

*USDHS, Arcadia, CA (5/05)*

## LAW ENFORCEMENT / DUI / TRAFFIC (cont.):

WMD Response Training  
*USDHS, Arcadia, CA (10/05)*

National Incident Management System (NIMS) / Incident Command System (ICS)  
*FEMA / USDHS, Arcadia, CA (8/06)*

Criminal Investigations  
*Riverside County Sheriff's Department, Riverside, CA (8/07)*

Search and Seizure Survival  
*Los Angeles HIDTA / LA CLEAR, Commerce, CA (7/11)*

District Attorney Investigations  
*California Peace Officers Standards & Training, Roseville, CA (2/18)*

## HIGH TECH / DIGITAL FORENSICS:

High Tech Crime Investigation  
*Los Angeles County District Attorney's Office / USSS, Los Angeles, CA (3/09)*

Cybercop 101 – Basic Data Recovery and Acquisition  
*National White Collar Crime Center / USSS, Los Angeles, CA (3/09)*

PC Forensics / Basic Data Recovery & Acquisitions  
*California DOJ / LADA / USSS, Los Angeles, CA (3/09)*

Computer / Digital Evidence Recovery  
*California DOJ – Advanced Training Center, Rancho Cordova, CA (5/09)*

PC Forensics / Specialized Investigative Tools (EnCase – Guidance Software)  
*California DOJ / LADA, Pasadena, CA (5/09)*

PC Forensics / Advanced Computer Forensics (Build-a-Box)  
*California DOJ / LADA / Beverly Hills PD, Beverly Hills, CA (6/09)*

Internet Peer to Peer Data & Forensics  
*LADA / Pasadena Police Department, Pasadena, CA (3/10)*

Internet and Child Exploitation Investigation & Prosecution  
*National District Attorney's Assoc., Pepperdine University, Malibu, CA (10/10)*

Computer Crime / Pre-Search  
*California DOJ – Advanced Training Center, Rancho Cordova, CA (5/11)*

Ongoing Training & Experience – Cellebrite UFED/Cellebrite4PC, CCTV Surveillance Systems and recovery, BlackBag - BlackLight, Forensic Tool Kit (FTK)  
*Arcadia PD High Tech Crimes Unit, Arcadia, CA (3/09 – 8/17)*

## AIRBORNE LAW ENFORCEMENT / AIR OPERATIONS:

Tactical Flight Officer / Aircrew Course

*Los Angeles Police Department – Air Support Division, Los Angeles, CA (5/11)*

Night Vision Goggle Ground and Flight Training Course:

Aeromedical Factors

NVG Aviation Regulations

Emergency Procedures

ANVIS Systems / ANVIS Operational Checks

Terrain Interpretation

Normal Flight Maneuvers

Confined Area Operations

Pinnacle / Ridgeline Operations

Aeronautical Decision Making

*Pasadena Police Department – Air Support Section / Presented by Aviation Specialties Unlimited, Pasadena, CA (5/12)*

Airborne Law Enforcement Assoc. Western Region Safety Seminar

*San Diego PD / San Diego County Sheriff's Department, San Diego, CA (9/12)*

Advanced Aviation Human Factors – Stress and Performance

*Ontario PD / California Training Institute, Ontario, CA (4/15)*

## COLLISION INVESTIGATION & RECONSTRUCTION:

Grade Crossing Collision Investigation

*Union Pacific Railroad, Los Angeles, CA (8/03)*

Traffic Accident Investigation – Basic

*Pomona Police Department, Pomona, CA (4/05)*

Collision & Crime Scene Diagramming, 2D & 3D Animation Techniques – Visual Statement Software

*Arcadia Police Department, Arcadia, CA (12/05)*

Traffic Collision Investigation – Intermediate

*Riverside County Sheriff's Department, Riverside, CA (6/06)*

Traffic Collision Investigation – Advanced

*Riverside County Sheriff's Department, Riverside, CA (10/06)*

Traffic Collision Investigation – Reconstruction

*Riverside County Sheriff's Department, Riverside, CA (12/06)*

Traffic Collision Investigation – Vehicle Dynamics [Speed from Crush]

*Riverside County Sheriff's Department, Riverside, CA (10/07)*

Traffic Collision Investigation – Auto/Ped/Bike

*Riverside County Sheriff's Department, Riverside, CA (10/07)*

## COLLISION INVESTIGATION & RECONSTRUCTION (cont.):

- Traffic Collision Investigation – Motor Vehicle Inspection  
*Riverside County Sheriff's Department, Riverside, CA (4/09)*
- Vehicular Homicide – Investigations, Evaluation, & Charging  
*California Office of Traffic Safety – Resource Prosecutors, Pomona, CA (3/11)*
- Big Rig Trailer Side Underride Collisions – Relating Collision Damage to Impact Speed  
*California Association of Accident Reconstruction Specialists (CA2RS),  
Glendora, CA (9/13)*
- Transit Rail Incident Investigation  
*United States Department of Transportation – Los Angeles, CA (2/14)*
- Vehicular Homicide Training Seminar – Investigation & Prosecution  
*California District Attorneys Association – Sacramento, CA (6/14)*
- Forensic Mapping with Total Stations  
*Ca. Assoc. of Accident Reconstruction Specialists (CA2RS), Fontana, CA (8/14)*
- Crash Data Retrieval Specialist – Technician Levels I & II  
*Collision Safety Institute – Temecula, CA (9/14)*
- Low Speed Impact Analysis using IIHS & CDR Data  
*California Association of Accident Reconstruction Specialists (CA2RS),  
Glendora, CA (1/15)*
- Crash Data Retrieval – Data Analyst  
*Collision Safety Institute – Poway, CA (2/15)*
- Vehicle Reconstruction & Failure Analysis  
*California Association of Accident Reconstruction Specialists (CA2RS),  
Glendora, CA (8/15)*
- Investigation of Motorcycle Crashes / Motorcycle Crash Testing  
*Institute of Police Technology and Management – University of North Florida,  
Pomona, CA (5/16)*
- Photogrammetry Analysis / Intersection Collisions & Traffic Signal Systems  
*California Association of Accident Reconstruction Specialists (CA2RS),  
Glendora, CA (6/16)*
- Speed Analysis From Video / CCTV DVR & Camera Manufacture and Operations  
*Los Angeles County Sheriff's Department Traffic Services Division / Eastern  
CCTV, Industry, CA (2/17)*

## COLLISION INVESTIGATION & RECONSTRUCTION (cont.):

Crash Testing w/ Multiple Vehicles and Anthropomorphic Dummies / Pedestrian Collision Reconstruction / Traffic Signal Operations & Engineering / Low Speed Collisions

*Southwestern Association of Technical Accident Investigators (SATAI) Winter Conference, Glendale, AZ(1/18)*

Skid Testing / Assist with Intermediate Collision Investigation Course / EVOC

*Los Angeles County Sheriff's Department Traffic Services Division, Pomona, CA (10/18)*

Motorcycle Crash Testing

*Los Angeles County Sheriff's Department Traffic Services Division, Pomona, CA (10/18)*

## PRESENTATIONS & TRAINING:

*Vehicular Homicide Training:* Search Warrants, Speed Analysis from Video, Time/Distance/ Speed analysis, Energy/Force analysis, EDR Retrieval & Data, CalECPA/PC 1546.1 & 1546.2 and EDR Data, Scene Diagramming, DUI Blood/Hospital Blood, Miranda Advisement & Issues with hospitalized suspects, Interview & Investigation, Trial Prep & Courtroom Testimony, Major Case Debrief.

- Serious Traffic Accident Response (STAR) team – Seal Beach PD, Los Alamitos PD, Cypress PD, Westminster PD, La Palma PD, and Fountain Valley PD. (6/28/18)
- Orange County Traffic Investigators' Association. (7/25/18)
- Los Angeles County Sheriff's Department. (9/13/18)
- Peace Officers' Association of Los Angeles County (POALAC). (4/30/19)
- California Highway Patrol – San Juan Capistrano Station. (4/11/19, 5/30/19, 6/12/19)
- California Highway Patrol – Westminster Station. (7/11/18, 9/12/18, 4/17/19, 5/15/19, 6/19/19)
- California Highway Patrol – Santa Ana Station. (4/25/19, 5/23/19, 6/27/19, 7/21/22)
- Orange County Sheriff's Department – Major Accident Reconstruction Team (MART). (3/15/18, 3/4/20)
- Los Angeles County District Attorney's Office – Vehicular Homicide College (9/20/23)

## SPECIALIZED QUALIFICATIONS:

I was assigned to work with the Pasadena Police Department's Air-Operations Section as a Tactical Flight Officer and a member of the Foothill Air Support Team (FAST), representing the Arcadia Police Department. As a member of the air crew I was responsible for pre and post-flight duties related to the aircraft. In flight I monitored 12 – 15 radio frequencies and was responsible for all air to ground communications with allied law enforcement, including coordinating pursuits, high-risk stops, containments, and search efforts. I was responsible for evaluating calls for service and making response decisions for the aircraft and crew based on call priority. I operated the in-flight GPS navigation system, night-sun spotlight, camera and FLIR systems. I was qualified in the use of advanced military night vision equipment during air support operations in conjunction with the above aircraft systems.

I was assigned to work with the high-tech crimes unit conducting electronic, computer, and cell phone forensics. I assisted with the Los Angeles County multi-agency computer forensics task force comprising the Los Angeles County District Attorney's Computer Emergency Response Team (CERT), and the Los Angeles region, multi-agency, Internet Crimes Against Children (ICAC) task force.

In my service history working patrol and traffic assignments, I investigated approximately 50 to 100 traffic collisions per year for 12 years. As the Lead Traffic Investigator, I was responsible for reviewing, analyzing, investigating, or reconstructing approximately 500 to 800 collisions per year. I have reconstructed numerous major traffic collisions involving major injuries and fatalities.

As a Traffic Enforcement Officer I gained thousands of hours of traffic and related experience. I have over 7,500 hours of professional motorcycle training and riding experience.

I designed and implemented a traffic collision report narrative system for use by law enforcement personnel, in conjunction with the CHP 555 traffic collision report forms. I submitted the report forms to, and they were subsequently accepted by, the CHP Statewide Integrated Traffic Records System for documenting collisions ranging from minor to fatalities. These forms were adopted for use by the Arcadia PD and a number of allied agencies.

I am experienced in generating factual diagrams and forensic mapping using traditional and state of the art methods. I am experienced using advanced reconstruction software for calculating times, distances, speeds, and other pertinent information required to reconstruct traffic collisions. I have experience diagramming collision scenes since 1995. I have been forensically mapping and reconstructing collision and crime scenes since 2004.

I was assigned the primary responsibility of investigating and filing for prosecution, crimes involving vehicle thefts, vehicle burglaries, driving under the influence, traffic collisions, vehicular homicide and high tech-crimes. I also investigated, assist and/or filed residential burglaries, commercial burglaries, petty & grand thefts, fraud, homicide, assaults, violent crimes, and grand theft auto cases.



## SPECIALIZED QUALIFICATIONS (cont.):

I have reconstructed the following types of collisions:

- Auto v Auto
- Auto v Pedestrian
- Auto v Bicycle
- Auto v Fixed Object (Pole / Tree / Wall / Building)
- Auto v Motorcycle
- Solo vehicle / motorcycle / bicycle
- Rollovers
- Auto v moped / scooter

I was the team leader for the Arcadia Police Department's Major Accident Investigation Team (MAIT) from 8/2007 to 8/2017. I was responsible for the team's equipment, deployment and investigative efforts, ongoing member training, and follow up investigations. MAIT handled all major accident investigations within the City of Arcadia and was periodically called upon to assist allied agencies. Additionally, the MAIT team was generally deployed to all major crime scenes for the purposes of scene diagramming and forensic mapping.

I have participated in numerous vehicle acceleration/deceleration tests, skid correlation studies, vehicle inspections and commercial vehicle inspections (in partnership with the California Highway Patrol.) I have extensive experience with DUI (Driving Under the Influence of drugs and/or alcohol) criminal cases.

I have testified in court on a wide variety of cases, and as an expert witness on traffic related issues, collisions, vehicular homicide, and traffic collision reconstruction.

As an Investigator with the Orange County District Attorney's Office – Vehicular Homicide Unit, I investigate and reconstruct vehicular homicide cases. I assist in prosecution and evaluating cases with DA's to consider appropriate charging, and recommend dismissal or lessening of charges in some cases. I evaluate the reconstruction work of law enforcement and defense experts. I provide expert testimony in criminal cases. I am called upon to assist allied agencies and prosecutors offices with search warrants, reconstruction, analysis, and case consultation. This includes municipal agencies within counties of Orange, Los Angeles, and San Bernardino, as well as the Los Angeles County District Attorney's Office and the San Bernardino County District Attorney's Office.

75/yr \* 12yrs patrol = 900 650/yr \* 10yrs det = 6,500 135 OCDA (12/21)

>7,500 Collisions

135 OCDA (12/21) + 68 APD = 203 Fatal + MTH&assoc + CrashTeams = >350 Fatal

Expert = >300 (trfc court Kennedy & Duffy (1/wk =260) , civil (15), depo's (30), criminal (APD 8-12 / OCDA 10-15 = 20))