

Curriculum Vitae

Brandon Braga, B.Eng., E.I.T.

Advantage Forensics® Inc. (416) 630-0700

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PRACTICE AREAS

- **Collision Reconstruction**
- **Injury Biomechanics**
- **Pedestrian & Bicycle Collisions**
- **Motorcycle Collisions**
- **Snowmobile Collisions**
- **ATV Collisions**
- **Slip, Trip & Fall Biomechanics**
- **Computer Simulation & Animation**

ACADEMIC BACKGROUND

Bachelor of Engineering, Mechanical Engineering, University of Guelph, 2019

- Undergraduate courses in Physics, Chemistry, Biology, Kinematics & Dynamics, Engineering Design, Electromechanical Devices, Machine Design, Manufacturing System Design, CAD/CAM
- Studied Biological Science for three semesters prior to Mechanical Engineering degree.

EMPLOYMENT HISTORY

Advantage Forensics Inc., Toronto

Forensic Engineering Associate, January 2020 to present

- Member of Collision Reconstruction & Biomechanics Teams

Fiat Chrysler Brampton Assembly Plant, Brampton

Assembly Line, June 2018 to October 2019

- Trained at over ten stations on engine assembly line
- Quality control for missing parts, defects, & production targets
- Installation of vehicle engine parts
- Contributed to process improvements to decrease downtime & increase production.

Metalcom Decking Ltd., Brampton

General Labour, Summer 2015 & Summer 2017

- Installation of roof decking
- Setting up cranes for hoisting material
- Building & spot welding deck to joists

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Perfect Finish Renovations Inc., Hamilton

Housing Renovator, Summer 2014 & Summer 2016

- Housing demolition
- Responsibility for environmental safety measures
- Transport of cabinetry
- Interior renovation finishing

ADDITIONAL COURSES, TRAINING & AWARDS

- 'Lesson's Learned from Using Driving Simulators to Improve Driver Behavior: What's Next?', CARSP webinar, Toronto, 2020
- 'The Democratization of Video Evidence: Equipping Investigators with Modern Tools and Know-How', Input-Ace webinar, Toronto, 2020
- Collision Reconstruction Journal Review Series, Advantage Forensics in-house seminar, Toronto, 2020
- 'PC Crash 10.0 Assumptions & Inputs' workshop, Advantage Forensics in-house training, Toronto, 2020
- 'Crush Energy Analysis' workshop, Advantage Forensics in-house training, Toronto, 2020
- 'PC Crash 10.0 Simulation & Analysis' workshop, Advantage Forensics in-house training, Toronto, 2020
- 'Input ACE Video Analysis' workshop, Advantage Forensics in-house training, Toronto 2020
- Technology Award for achieving highest average in technology-based classes, 2011

PROFESSIONAL SOCIETIES & ASSOCIATIONS

- Professional Engineers of Ontario, E.I.T. since 2020

PAPERS, PUBLICATIONS & PROJECTS

- Steel Roof Deck Welding Assist Machine, Undergraduate Capstone Project, University of Guelph, 2019
- Automated Casting System, Manufacturing Systems Design Final Project, University of Guelph, 2018
- External Concussion Detection System Concept, Undergraduate Multidisciplinary Design Project, University of Guelph, 2018
- Automated Cattle Feeder, Undergraduate Machine Design Project, University of Guelph, 2017