

Braydon Bourne



EDUCATION

Carleton University - Faculty of Engineering & Design [2009 - 2013]

Ottawa, Ontario

- ❖ Bachelor of Engineering, Mechanical
- ❖ Integrator on the 2012-2013 Carleton University (Flight) Simulator Project

TECHNICAL SKILLS

- ❖ Proficient with Microsoft Office, and competent with CAD software. Experience with FARO Reality, Pro/Engineer, AutoCAD, SolidWorks, Inventor, MATLAB, and IntelliCAD. Other software such as: PhotoModeler, PC-Crash, WinCRASH, iINPUT-ACE
- ❖ Photogrammetry, 3D laser scanning, total station surveying, video analysis
- ❖ Able to read and comprehend technical drawings and architectural plans
- ❖ Trained CDR Technician and Data Analyst – able to image and interpret event data recorder data
- ❖ Fixing, building and repairing bicycles for many years

COMMUNICATION SKILLS

- ❖ Ability to communicate and cooperate with a wide variety of personalities to accomplish tasks
- ❖ Able to communicate basic ideas in French through completion of four beginner French courses
- ❖ Experienced and comfortable presenting technical and non-technical information for large audiences

LEADERSHIP SKILLS

- ❖ Project Manager on the 2012-2013 Carleton University Simulator Project, responsible for coordinating schedules, presentations, and organizing major project tasks. In addition to individual design work, co-lead 21 peers to ensure the success of our project.

WORK EXPERIENCE

Forensic Engineer [2016 - *present*]

Crashteam Pacific Northwest - *Kent, WA*

Forensic Engineer [2015 - *present*]

Luker Forensic Engineering - *Richmond, BC*

- ❖ Assist Senior Forensic Engineer with car accident reconstruction and analysis.
- ❖ Complete File Reviews of case files to properly organize pertinent information.
- ❖ Research required and/or related aspects to an accident.
- ❖ Use photogrammetry and CAD modeling to accurately analyze and reconstruct the accident.

Technical Contributor [2014 - 2016]

Pedal Magazine - *Toronto, Ontario*

- ❖ Research the technical aspects of a new product (bikes, gear, or accessories) and prepare a concise description of its various features and attributes.

Junior Consultant [2013 – 2015]

Bronson Consulting Group - *Ottawa, Ontario*

- ❖ Completed contract for the Ontario Power Authority auditing the saveONenergy initiatives.
- ❖ Project management/Quality assurance of the province wide energy incentives and analysing their process from start to completion.
- ❖ Worked on a small project for Aboriginal Affairs and Northern Development Canada's Giant Mine Remediation Project: creating project plans and cost table templates.

Bicycle Technician [2011 – 2013]

The Cyclery - *Ottawa, Ontario*

- ❖ Build and repair mountain, road, and hybrid bicycles with fine attention to detail to optimize the performance of each and every bike.
- ❖ Use my bicycle racing and mechanic experience and expertise to help customers with product knowledge.
- ❖ Use a variety of specific tools and techniques for mechanical problem solving.

INTERESTS

- ❖ **Cycling:** Raced at the international level using time management, passion, dedication and motivation on a daily basis to achieve success. Travelling and competing in bike races all over North America, and finished the 2014 Tour of Morocco. Completed the entire Arizona Trail on a mountain bike in 2018.
- ❖ **Backcountry Skiing:** day trips to week long expeditions; use fitness, navigation, survival skills in sometimes extreme winter conditions. Completed basic avalanche training to travel safely on snow.
- ❖ **Other:** Hockey, hiking, canoeing, cross-country skiing
- ❖ **Social:** Craft beer, new culinary experiences, spending time with family and friends

References available upon request