Ishan Patel

302 Highland Rd. W. | Stoney Creek, ON. L8J 3V3 T: 289.922.8657 | E: ishan10patel@gmail.com

30 Forensic Engineering 40 University Ave. Suite 800 Toronto, ON. M5J 1T1

Re: Junior Associate, Collision Reconstruction

To 30 Forensic Engineering Recruitment,

Please accept the attached resume as an application for the Junior Associate, Collision Reconstruction in Toronto, ON. As a graduate of Carleton University's Mechanical Engineering Program, possessing a full range of experience including but not limited to medical office administration, quality assurance and mechanical and electrical design, I am confident that as an Engineer in Training, I have both the energy and experience you need for this position.

Academically, my coursework has allowed me to use the fundamentals of mechanical engineering, including but not limited to design with CREO and AutoCAD, material science, MATLAB, fluid and solid mechanics. Throughout my professional career, I have expanded on the knowledge gained from my Engineering-coursework; including the practical application of SolidWorks and manufacturing processes, specifically in the automotive industry. My final project during my undergrad was the Crash Test Dummy, where we worked with Ottawa Police to test and reconstruct various bike and car collisions. My part specifically involved research, testing and reporting on neck injuries sustained during the collisions.

I am currently registered as an E.I.T. with Professional Engineers Ontario (PEO) and have set the goal of completing PEO's Professional Practice Exam in the summer of 2018. Upon completing the exam, I would be eligible for certification as a Professional Engineer once the necessary work experience is obtained.

As a self-motivated, diligent, and a hard worker, in both, independent and team environments, I would quickly become an important asset for the organization. I look forward to discussing this opportunity with you further.

Sincerely,

Ishan Patel, B. Eng., EIT 289-922-8657 ishan10patel@gmail.com

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OBJECTIVE

To obtain a full-time position as a Junior Associate, Collision Reconstruction at 30 Forensic Engineering.

PROFESSIONAL EXPERIENCE

Junior Mechanical Engineer

Control Systems Innovators | Burlington, ON

Feb 2016 - Aug 2016

- Creating CAD, 3D and electrical drawings for various projects
- Building machines and electrical panels for clients
- Software troubleshooting and mechanical repair on machines for clients
- Working independently or with a team on various projects

Customer Support Engineer

Mar 2015 - Jan 2016

Johnson Controls Inc. / Yanfeng Automotive Interiors | Oakville, ON

- Represent quality assurance at Ford Assembly Plant for JCI/YFAI
- Assisting quality and PVT engineers on investigating and solving issues
- Managing & conducting inspections and audits on various JCI/YFAI parts before, during and after production
- Preparing quality documents the client and for internal use

Manufacturing Engineering Student

May 2012 - Aug 2012

LP Custom Machining | Stoney Creek, ON

- Assisting Manufacturing Engineer with his duties
- Small design projects for the workshop
- Conducting inspections and writing up inspection reports for ready made parts
- Ordering & delivering parts in a timely manner
- Preparing quality documents for clients and internal use

Administrative Assistant & Clinical Technician

2008 - Present

Natural Therapies Clinic | Stoney Creek, ON

- Troubleshooting medical devices and programs
- Responsible for patient billing and scheduling appointments
- Responding to patient inquiries and concerns via face-to-face or telephone
- Handling all inbound and outbound telephone calls, emails, inventory, and shipments

EDUCATION & EXTRACURRICULAR EXPERIENCES

Bachelor of Engineering and Design Graduate

2009 - 2015

Carleton University | Ottawa, ON

• Graduated March 2015 with B. Eng in Biomedical & Mechanical Engineering

Carleton University Crash Test Dummy Project

Sept 2012 - Apr 2013

Carleton University | Ottawa ON

- Applying engineering techniques to determine what sort of injuries occurred to the crash dummy, and more specifically, to the neck
- Work with Ottawa Police to assist with crash scene reconstruction
- Worked with a smaller group on the biomechanical aspects of the crash dummy

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EDUCATION & EXTRACURRICULAR EXPERIENCES (CONT'D)

Canadian Engineering Competition Director

Mar 2013

Carleton University | Ottawa ON

- Organized and ran the Re-engineering competition at the 2013 Canadian Engineering Competition
- Worked with other directors to ensure the entire competition ran smoothly
- Worked with all teams competing to make sure the competition ran smoothly and fairly

Frosh Team Leader Sept 2011, 2012

Carleton University | Ottawa ON

- Organizing and planning a full week's activities for a team with 40 students
- Working with about 20 individuals, delegating tasks and responsibilities to complete all requirements
- Working with other volunteers to act as mentors to the first year engineering students

LICENCES & CERTIFICATIONS

Engineer in Training (EIT)

- Currently registered with Professional Engineers Ontario (PEO) as a EIT
- Have the goal to write the Professional Practice Exam (PPE) in Spring 2018

SolidWorks Certificates

Javelin Technologies | Oakville, ON

Sept 2017 - Oct 2017

• Certificates in SolidWorks Essentials, Assembly Modeling, Sheet Metal & Weldments

Online Certificates

•	eDX - Biomedical Engineering: Cellular Design Principles	Jan 2017 – Mar 2017
•	e-courses 4 you – Project Management Professional 2016	Jan 2018 – Feb 2018

QUALIFICATIONS

- Constantly learning and developing skills in CAD and 3D modeling programs such as AutoCAD and SolidWorks
- Accurately and effectively able to create models, layouts and proposals from conceptual inputs
- Excellent communication and presentation skills
- Excellent technical writing skills
- Prioritize, delegate and complete tasks both independently and as part of a team in a timely manner
- Can resolve complex problems through deep analysis and reverse engineering
- Good foundation in Solid Mechanics, Fluid Dynamics, Thermodynamics and Materials
- Proficient in MS Office Applications, including Word, Excel, Outlook and PowerPoint

References available upon request