**Chris Douglas** E-Portfolio: chrisdouglas17.github.io/Portfolio

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September 12th, 2018

Professor Sneep,

I’ve chosen the Biomechanical Engineering program here at Queen’s University and have really enjoyed what I have learned so far. I am also in the process of attaining the Queen’s Certificate in Business, which I have found fascinating enough to consider an MBA in the future. My interests lie primarily in robotics, wearable technology, prosthetics, and more recently, entrepreneurship. Since I am completely fascinated by these topics, I am very interested in pursuing graduate studies in any of the aforementioned fields. I do have plans to achieve my P.Eng. in the future as well. My ultimate goal is to pursue a career in which I am given the opportunity to collaboratively design exciting and innovative biomedical/biomechanical devices for those who need it most. More specifically, within five to ten years from now I expect to complete my studies and begin my industry experience working for start-up companies catering to my own passions, with the hopes of eventually starting my own. Outside of my studies, I love to bike, hike and play sports, most notably hockey.

Teamwork is something I believe that I excel at. While I do not typically seek our leadership roles, I prefer to work behind the scenes to keep the group on-task and on-track in order to realize our group’s full potential. I often find that my interpersonal skills play a key role in the overall success of the team. For example, my friendly nature emphasizes my listening and conflict resolution skills, whereas my trustworthiness and dedication mean that my teammates can always rely on me to keep the group organized and while simultaneously producing high-quality work of my own.

Development of my technical and professional skills has most notably come from my time as a co-op student working for Magna as well as my time spent as member of Queen’s Biomedical Innovation Team (QBIT). At Magna, I’ve come to appreciate the fast-paced nature of the engineering field where daily life there demands employees to be quick-thinking and adaptive. Time management was crucial to stay on-top of projects and communication between co-workers and departments was consistently required. As such, I feel that I have mastered these two skills and am prepared to bring what I have learned to the projects in this course. As for my time spent with QBIT, I’ve been able to hone my technical skills. From initial design conception all the way through manufacturing, QBIT allowed for me to apply my 3D modeling/analysis, prototyping, and drafting skills, to name a few.

The top five project selections I’ve chosen, listed from most desirable to least are: Reduce Energy Cost During Walking (12), Bioreactor for Tissue Engineering (32), Actuation of Cadaveric Knee Join Simulator (29), Grizpaw Controlled Robotic Arm (4), and Pediatric version of Niagara Foot (34). I would be extremely excited to be given the opportunity to work on any of these projects as they all perfectly match my interests.

Thank you for your time and consideration. I look forward to hearing back from you.

Sincerely,