

**Aksh Ravishankar**

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As a new grad with a strong interest in improving industry processes using technology, I would like to be considered for a Software Engineer position with your company. I am an undergraduate student at Carleton University and have recently earned a Bachelor of Engineering in Computer Systems Engineering. Given my education, previous internship experience, and passion for technology I believe I am the ideal candidate for this position.

I frequently interact with fascinating and revolutionary technology with the potential to improve operating procedures in the industry as an engineering student. Recently, I worked with a team of my peers to build a Lane Following system for an autonomous car using a computer vision approach. We built a neural network to recognize various lane boundaries and used a live video stream from the vehicle to stay within the detected boundaries while driving. The finished product was able to perform real-time analysis of live video and provide classifications locally, using local hardware without an internet connection. Industries and consumers have a lot to gain from these new technologies, and I am interested in connecting these clients to their needs.

During my tenure with Circle Neurovascular Imaging, I worked with a team of Software and Machine Learning Engineers to develop and deploy a solution for acute stroke care. Using machine learning as a post-processing tool on medical images, the team was able to accurately identify stroke-affected areas of the brain. As part of the quality assurance team, it was my responsibility to ensure that all product developments meet internal and federal standards for any region we intended to deploy in. As part of this internship, I have learned key skills that I believe make me a better developer, such as test-driven development, an eye for quality, and a focus on maintaining standards.

I also worked for Hatch Ltd. where my primary responsibility was to perform traffic analysis using simulation software. The results of this analysis assisted in the planning and construction of Edmonton's light rail transit system. This internship provided experience in the transportation industry and allowed me to work with people with varied technical backgrounds, which helped me learn to apply perspectives when considering how to solve an engineering problem: a skill I believe will be valuable in this role.

While I currently reside in Calgary, Canada, I am happy to relocate to most locations in Canada and the United States, and I am available for remote work.

I appreciate your time and consideration and look forward to hearing from you by phone at (403) 400-2652 or via email at [aksh.ravishankar@gmail.com](mailto:aksh.ravishankar@gmail.com).

Thank You,  
Aksh Ravishankar