Dear Hiring Committee:

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. I am an undergraduate student at Carleton University pursuing my Bachelor of Engineering – Computer Systems Engineering and I am anticipating graduation in April of 2023. Given my education, previous internship experience, and passion for technology I believe I am an ideal candidate for this position.

As an engineering student working on various projects, I interact with fascinating and revolutionary technology with the potential to improve operating procedures in the industry. Recently, I worked with a team of students 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 will be using a live video stream from the vehicle to stay within the detected boundaries while driving. This was made possible using the Nvidia Jetson to be able to perform real-time analysis of live video and provide results locally, 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 the summer of 2018, I worked for Hatch Ltd. as an intern 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. If I am to work in the United States, I will require a TN visa sponsorship as a Canadian professional.

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