Dear Uber,

I am writing to apply for the ATG R&D Research and Software Engineering internship at Uber. I am a 3rd year Computer Science student studying at the University of Toronto, with 6+ years of experience in software design, development and engineering, and a deep passion for innovation and problem solving to offer for the company.

Uber has been the leading company that completely changed the transportation industry. I have read about Uber's advancements in autonomous vehicles, and have also been using your apps almost on a daily basis. The Uber ATG's primary interest is in cutting-edge ML research; Since I am aspiring to apply my ML knowledge in the industry, as well as gaining experience in research, this will be an excellent opportunity for me to contribute to the team's interest.

I have the following skills that would make me suitable for the position at Uber:

- Proficiency in numerous programming languages, tools and frameworks including but not limited to C/C++, Python, Java, PyTorch, Node.js, which would help designing and implementing software solutions and deep-learning models;

- Practical experience with algorithm optimization (for my C++ automatic time management software), which would help optimizing the efficiency of research code and algorithms;

- Industry experience with software engineering methods and best practices, which would help integrating the final algorithms into the main software stack.

- Theoretical and practical knowledge in machine learning, from courses in neural networks, artificial intelligence, natural language processing, and image processing, as well as from projects such as style-transfer demo, and neuro-evolution demo.

I am delighted to be considered for this opportunity, and I look forward to contributing my talent and experience to Uber. Please feel free to schedule meetings or interview with me to discuss in detail. Thank you for your time.

Sincerely,

Ze Ming (Tommy) Xiang