

Murtadha Saeed Nisyif  
Kitchener, Ontario, Canada  
mnisyif@gmail.com  
mnisyif.com  
linkedin.com/in/mnisyif  
github.com/mnisyif  
+1 (519) 502-8463

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**Hiring Manager**  
**Microsoft**  
**Vancouver, BC, Canada**

Dear Hiring Manager,

I am writing to express my interest in the Research Intern - Artificial Specialized Intelligence position at Microsoft in Vancouver, BC. With a strong background in computer engineering, extensive hands-on experience in AI-driven projects, and a passion for innovative research, I am excited about the opportunity to contribute to your team and further my career at one of the world's leading technology companies.

Currently, I am pursuing my Master of Applied Science in Computer Engineering at the University of Guelph, where my research focuses on developing efficient algorithms for edge-cloud computing networks. My academic journey has equipped me with a solid foundation in machine learning, embedded systems, and core networks. Additionally, I hold a Bachelor of Engineering in Computer Engineering with a minor in Computer Science from the same institution.

During my tenure as a Graduate Research Assistant at the University of Guelph, I implemented semantic communication techniques that reduced edge-to-cloud latency by up to 30%. I also developed transformer-based models to enhance data relevance and network efficiency. These experiences have honed my skills in designing and developing AI-driven infrastructure, conducting thorough research on emerging trends, and optimizing AI systems for minimal latency and high-quality data transmission. My research has been published in IEEE CCECE 2024, reflecting my ability to contribute valuable insights to the academic community.

My role as an Undergraduate Research Assistant Software Developer at the University of Guelph's Robotics Institute further solidified my technical skills and collaborative abilities. I developed and optimized circuitry and code for an automated door control logic board, enhanced mobile app communication using React Native, and contributed to the development of ROS libraries in Python and C++. Working closely with other research students, I learned the importance of integrating diverse ideas and collaborating effectively to achieve innovative solutions.

I am particularly drawn to this internship at Microsoft due to the company's commitment to cutting-edge research and development in artificial intelligence. The opportunity to work alongside some of the world's best researchers and fellow doctoral candidates is incredibly appealing. I am eager to collaborate, learn, and contribute to Microsoft's vibrant research community while advancing my own career.

Thank you for considering my application. I am looking forward to the possibility of discussing how my background, skills, and enthusiasm align with the goals of your research team. Please feel free to contact me at +1 (519) 502-8463 or via email at mnisyif@gmail.com to schedule an interview.

Sincerely,

Murtadha Saeed Nisyif