Statement of Purpose

**Applied Computer Science - MSc
University of Lincoln**

My name is Ndukwe Samuel, and I am a passionate and forward-thinking software developer with a strong foundation in building scalable applications and solving complex challenges in the field of computer science. With over three years of professional experience across diverse roles—including software development, backend engineering, and instructional leadership—I have cultivated a unique blend of technical expertise, innovation, and a commitment to advancing technological solutions that create a positive impact. As I now seek to expand my horizons through the Applied Computer Science master's program at the University of Lincoln, I aim to deepen my knowledge, sharpen my practical skills, and contribute to shaping the future of the digital world.

My academic journey began with a Bachelor of Science degree in Geography from the University of Nigeria, Nsukka, where I graduated with a Second Class Upper. While my initial academic focus was rooted in understanding spatial data and systems, my inherent curiosity about technology soon led me to transition into software development. Since then, I have diligently worked to establish myself as a proficient software engineer, gaining expertise in programming languages and frameworks such as JavaScript, Python, Django, React, React Native, and Node.js.

Professionally, I hold key roles at Zynopay Ltd and Kitovu, where I am actively engaged in backend engineering and product development. At Zynopay Ltd, I focus on optimizing system performance and enhancing product delivery. Notable achievements include revamping the payment processing system, achieving 95% faster transaction times, and spearheading backend development for a high-traffic subscription platform that now serves over 1,000 active users.

At Kitovu, an agritech company focused on optimizing agricultural value chains, I play a pivotal role in developing scalable systems for farm data management and produce tracking. My work has significantly improved efficiency in supply chain operations and streamlined farmer-to-market connections. These experiences have not only honed my technical skills but also expanded my ability to work on industry-driven, impact-focused projects.

Before these roles, at Tech Studio Academy, I served as both a Software Developer and Lead Instructor, designing coding curricula and mentoring over 200 students, 85% of whom successfully transitioned into technology related careers. This role solidified my passion for knowledge-sharing and professional development, which continues to drive my career ambitions. However, I recognize that to unlock my full potential, I need to

pursue formal advanced education. The Applied Computer Science – master's program at the University of Lincoln resonates deeply with my aspirations for several reasons. The program's emphasis on practical applications, advanced programming techniques, and emerging technologies aligns perfectly with my goal of becoming a well-rounded computer scientist capable of addressing global technological challenges. Additionally, its focus on real-world problem-solving and industry-relevant skills prepares students for both academic and professional pursuits, a dual focus that reflects my personal vision for growth.

The University of Lincoln's reputation for fostering innovation and applied learning makes it an ideal setting for me. I am particularly drawn to the program's modules on AI, machine learning, and cloud computing, which I see as key drivers of the next generation of technological innovation. The opportunity to work on industry-led projects and engage with cutting-edge research will provide me with the tools, techniques, and design patterns essential for excelling in this dynamic field.

My immediate goal is to leverage the knowledge and skills gained during the master's program to become exceptional in software development and cloud computing. In the long term, I aspire to establish a tech consultancy firm specializing in developing robust, scalable systems for startups and organizations in emerging economies. My ultimate dream is to contribute to bridging the digital divide by mentoring young professionals, fostering innovation, and collaborating with global organizations to design impactful solutions.

Finally, the University of Lincoln's emphasis on social responsibility and global impact aligns with my belief in leveraging technology for societal benefit, and I am eager to contribute to this mission. In choosing to pursue the master's program at the University of Lincoln, I am not only seeking to advance my technical capabilities but also to become a leader who uses technology to inspire change.

The University of Lincoln represents the perfect platform for me to transform my aspirations into reality. I am eager to embark on this journey, to immerse myself in the vibrant academic culture, and to emerge as a skilled professional ready to tackle the challenges of an ever-evolving technological landscape.