About Me (Bio)

Dr. John Businge is an Assistant Professor in the Department of Computer Science at the University of Nevada, Las Vegas. He specializes in software engineering, with a particular focus on how software developers leverage AI technologies for their software development processes. Dr. Businge's research interests include the application of large language models (LLMs) like ChatGPT in software engineering, enhancing collaborative software development, and promoting diversity and inclusion in tech education. He is passionate about mentoring students and is eager to foster partnerships between academia and industry. Although he does not have extensive experience in this area, he has ongoing research focusing on the utilization of LLMs to enhance software workflows, with a paper currently under review.

Project Title

Integrating AI Technologies into Software Engineering Education

About the Project

Integrating AI Technologies into Software Engineering Education is a pioneering project aimed at embedding advanced AI concepts into the software engineering and senior design curriculum. This initiative seeks to enhance students' readiness for AI-driven software development careers by leveraging large language models (LLMs) like ChatGPT. The project will particularly enrich the senior design projects in Computer Science, providing hands-on exposure to AI technologies. With a focus on fostering diversity and inclusion, the project targets a diverse student body, including underrepresented groups like Latinx students. By promoting the responsible use of LLMs and integrating AI tools into the learning environment, the project aspires to cultivate critical thinking, innovation, and real-world problem-solving skills among students. The project aligns with NASA's strategic priorities by advancing software engineering practices essential for space mission success. While the primary focus is on computer science students, the impact of this project may extend beyond this group, benefiting the wider academic community.