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I am the Assistant Professor of Engineering Education in the University of Nebraska at Omaha College of Education, Health, and Human Sciences. I have a Bachelor's degree in Electrical Engineering from the University of New Orleans and worked for Raytheon Services Nevada, Bechtel Nevada, and Hunt & Hunt Engineering. My work included the 138 KV Substation Modernization Project at the Nevada National Security Site, the U.S. Department of Energy Nevada Operations Headquarters in North Las Vegas, NV and the Washington Aerial Measurements Operations Facility at Andrews Air Force Base construction projects, U.S. Department of Energy Nevada Operations Office General Plant Projects and Bechtel Nevada Indirect Projects, and the Houston Independent School District - Priority 1 Life Safety Improvement Plan.

I earned a Master's degree in Special Education and worked in alternative education and STEM education at Omaha Lewis & Clark Middle School for 11 years. During those years, I created and taught a STEM-based elective course for nine years. While at Lewis & Clark, I worked collaboratively with the UNO College of Education (COE, formerly) and the Peter Kiewit Institute to develop and implement the use of robotics as an educational platform. I became an Instructor in COE in 2014. And, in the Fall of 2018, I attained my Doctorate in Educational Administration with a focus on K-12 Engineering Education from UNO. I currently teach and develop teacher education courses for pre-service teachers, engineering education courses for in-service teachers, and use near-space experiments by high-altitude ballooning as an educational platform for secondary and college students.

I am a Nebraska Department of Education STEM Fellow and serve to enhance professional development for K-12 STEM teachers by implementing the NDE STEM Approach and STEM Instructional Resource Evaluation Rubric. I am also a NASA Nebraska Space Grant Nebraska Space Ambassador. In addition, I have served as a co-facilitator for the UNL/UNO Engineering Readiness Academy. And, as a faculty advisor to NSBE (National Society of Black Engineers), Latin@s in STEM (Latinx engineering student organization), UNO Black Excellence, and undergraduate research for the NASA Nebraska Space Grant, UNO FUSE grant, and UNL Aerospace eXperimental Payloads team, and Society of Physics Students.

I teach TED 2400 Planning for Effective Teaching, TED/STEM 2800 Science Experimentation & Engineering Design, TED 8840 Engineering Education Externship, and TED 8860 Invention & Innovation in Engineering Education.

My research interests include Engineering Education pedagogy and efficacy, authentic learning experiences, engaging historically underrepresented groups, and near-space experiments using high-altitude balloons. I am married to Dr. Collette Nero, a high school Principal, and we have three daughters.