Nuela Chidubem Enebechi

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Education

Doctor of Philosophy in **Industrial Engineering,**   August 2025
Purdue University, West Lafayette, Indiana

Bachelor of Science in **Computer Science emphasis in Mathematics,**   May 2018
Minnesota State University Moorhead (MSUM), Moorhead, MN

Computer Skills/Certifications

- Programming Languages: Python, HTML, C++, C#, SQL, Racket, Maple, R Programming, LabVIEW
- Certificate of Proficiency in Information System Management

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Relevant Experience

Graduate Teaching Assistant, Engineering Programs in Community Service (EPICS), Purdue University,
West Lafayette IN   August 2020-Present

- Provide disciplinary and administrative assistance for three teams while assisting team's advisor with administration and grading.
- Implements programming languages like Python and C++ in skilled session to help students advance their technical skills for their professional development hours.
- Advised Engineering undergraduate students on how to carry out collaborative projects with community partners during virtual office hours.

Graduate Assistant/Mentor, Engineering Undergraduate Research Office (EURO), Purdue University,
West Lafayette IN   May 2020 – August 2020

- Demonstrated problem solving skills by providing technical and general support to aid students' successful completion of the Summer Undergraduate Research Fellowship (SURF) program.
- Evaluate student's assignments and provide written feedback while assisting students with their technical writing.
- Served as a professional communication coach to help undergraduate students prepare for their oral and poster presentations for the SURF Research Symposium.

Research Assistant, Purdue Polytechnic, Purdue University, West Lafayette, IN   August 2019 – May 2020

- Enhanced research procedure skills by conducting literature reviews while collecting and analyzing data.
- Developed team management skills while serving in the Technology Leadership and Innovation department and coordinating STEM outreach events for students in grades K-12.

Lead Counselor, Minority Engineering Program, Purdue University, West Lafayette, IN   May 2019 – August 2019

- Assisted in the execution of program elements (e.g. courses, projects, social activities) for camp participants.
- Coordinated a variety of camp activities while interacting with participants during scheduled activities.

Research Assistant, Nuclear Engineering Department, Purdue University, West Lafayette, IN August 2018 – May 2019

- Work with high level machines and equipment to carry out tensile testing of nuclear material.
- Conducting literature reviews while evaluating and examining data on materials for nuclear energy systems.

System Analyst Internship, Border States Electric, Fargo, North Dakota   May 2018 – August 2018

- Worked in a team to develop Ecommerce Upgrade, Project Information Management (PIM) strategies
- Maintained programs that are Java, SQL, and Microsoft Application based.
- Implemented Scrum Agile methodologies in business technology projects.

Summer Undergraduate Research Fellowship, Purdue University, West Lafayette, IN   May 2017 – August 2017

- Collaborated with faculty and graduate student mentors to develop and follow through with experiments related to nanotechnology and material science.
- Analyzed data through computer simulations to model the unit cells of a PXCM.

Resident Assistant, Housing and Residential Life, MSUM   May 2017-August 2018
- Created safe spaces, comfortable and conducive atmospheres for residents
- Delegated leadership positions for residents, while fostering a sense of support, community and engagement in residential hall.
- Attended staff meetings with other resident assistants which led to the collaboration of several events that have contributed positively in the social development of the residential halls.

Computer Science Outreach Development and Education (CODE), MSUM   May 2017– May 2018
- Created opportunities to promote Computer Science in the Fargo-Moorhead Community by encouraging and teaching high school students to be more involved and interested in coding.

Student Researcher, Biology, Computer Science and Physics Departments, MSUM   October 2016 – May 2018
- Participated in Interdisciplinary research by collaborating with Biology and Physics Departments to provide technical assistance in LabVIEW to monitor heartbeats of swimming fish.
- Enhanced analytical skills while evaluating data, identifying patterns, and carrying out additional tests.

Student Orientation Councilor, Freshmen Year Experience (FYE), MSUM   October 2016 – May 2017
- Supervised undergraduate teams to carry out community service projects.
- Contributed to the change in curriculum content of FYE classes.
- Served as a bridge between students, academic resources and professors while counseling students on how to attain academic success.

Dragon Ambassador, MSUM   August 2016 – May 2018
- Participated in student outreach and recruitment programs to make students feel more connected to the campus.
- Served as a tour guide to perspective students and their families.

Security Architect Internship, Blue Cross Blue Shield (BCBS), Fargo, North Dakota June 2016 – August 2016
- Provided topnotch security consulting and troubleshooting to resolve incidents in departments.
- Tested for bugs and vulnerabilities, with the goal of avoiding malicious attacks and malfunctions of malware.

Dispatcher, Public Safety, MSUM   August 2015 – May 2017
- Utilized multitasking skills by working with various software and tools while acting as a 911 operator.
- Developed ability to work under pressure while attending to different emergency situations.

Peer Advisor, Academic Support Center, MSUM   August 2014-May 2018
- Connected student to various campus resources that helped them find their community on campus
- Documented and tracked students' progressive interactions and activities through 1 on 1 coaching sessions
- Enhanced ability to work independently in a professional setting

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Employment
Math Tutor, Math Department, MSUM   August 2016 – May 2017
- Gained mathematical expertise by tutoring high-level math classes such as calculus, discrete math, computer calculus, etc.

Physics Teaching Assistant, Physics Department, MSUM   August 2016 – May 2018
- Attained organizational skills by preparing study materials ahead of time.
- Acquired verbal, listening, and written communication skills while working with faculty members and students.

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Leadership/Volunteer
National Society of Black Engineers, Peer Advisor, Dragon Mentor, Dragon Ambassador, TedX Fargo, Wellness Educators, Celebration of Nations, African Student Union, New Development Leadership Institute.

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Publications

- Modelling of Phase Transforming Cellular Materials (PXCM)   August 2017
  Purdue University, Published on nanoHUB: https://nanohub.org/resources/26939
- Relationship Between Student's Demographics and Manufacturing Career perceptions. American Society of Engineering Education.
  https://www.youtube.com/watch?v=cdQmkG3VUAs   August 2020
- Virtual Reality and Artificial Intelligence in mobile Computing and Applied Ergonomics: A Bibliometric and Content Analysis. Human Computer Interaction
  https://link.springer.com/chapter/10.1007/978-3-030-49907-5_24   July 2020

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Awards

- Grace Hopper Conference - Women of Color in Technology   2019 October
- Leadership Legacy Award   2017-2018
- Organization of the year (President)   2017-2018
- New Development Leadership Northern Lights   2016 June
- Upperclassmen Scholarship   2015-2016