

MANUEL S. NYAGISERE

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Education

Syracuse University
M.S. Electrical Engineering

Le Moyne College
B.S. Physics

Syracuse, New York
May 2017

Syracuse, New York
May 2015

Industrial Experience

Product Specialist, CenTrak, New York, NY

Jun '17 - Dec '17

Program Managers: Kristan Henderson, John Swart

Supported introduction of real-time visibility into location of inventory at the Mount Sinai hospital campus to improve healthcare delivery, patient satisfaction, and staff productivity.

Duties: Installed clinical-grade tracking system across hospital campus, collected tag-asset identification data verifying its quality and reliability. Ran a sample test on tag placement resulting in a 96% confidence interval rate for real-time location streaming over 5 years.

Research Experience

McDevitt Fellow, Le Moyne College

Aug '14 - May '15

Supervisor: Dr. David Craig

Applied a simplified light source in executing the Grangier experiment, which proves existence of photons. *Duties:* Forecasted expected expenditures and oversaw equipment purchases. Built experimental layout, and the electronic and data acquisition stations. Documented methods and procedures for future replicability and programmatic improvements. Ran data analysis computing averages and standard deviations to test validity of experimental results. Wrote a final report and presented findings in a college lecture series.

McDevitt Information Systems Scholar, Le Moyne College

Aug '12 - May '13

Principal Investigator: Dr. Martha Grabowski

Supported a National Academies study on oil spill response in the Arctic to address information gaps. Case studies - Exxon Valdez and BP Macondo spills. *Duties:* Assessment of the state of science and engineering in oil spill preparedness, National Academies workshop summary, literature review and report, findings presentation at a student scholar's event.

Other Experience

Substitute Teacher, Syracuse City School District

Jan '18 - Aug '18

Graduate Assistant, Syracuse University

Aug '15 - May '17

Tutor, Le Moyne Physics Clinic

Aug '13 - May '14

Student Assistant, Campus Life, HEOP, & Disability Support Offices

2012, 2013, 2014

Technical Skills

Research & Development: Python, Matlab, Java