Samuel J. Obi

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Education

Bachelor of Science, Mechanical Engineering *Anticipated May 2024*

University at Buffalo, the State University of New York

- **Overall GPA:** 3.945/4.000

Engineering Projects

Automatic Windshield Wiper, MAE Lab I ***Spring 2023***

- Designed and fabricated windshield wiper with raindrop detection and two speeds
- Assembled hardware and software components to communicate and achieve full autonomous functionality

Group Open-Ended Modeling Project, Statics ***Spring 2022***

- Coordinated group effort to design a pool lift and bring ideation to implementation
- Optimized early schematics eventually maturing into final product engineering knowledge and computation software within 2 months
- Ensured dimensions and material selection met requirements given by national pool lift guidelines

Work Experience

Team Leader Assistant, General Mills, Buffalo, NY ***June 2023 – Present***

- Developed a program to improve production efficiency, decrease material shortage, and decrease time to calculate production targets by 5.18 hours per week
- Initiated movement to ameliorate employee scheduling by researching and connecting with three software companies
- Executed initiative to improve tool control to ensure safety and manufacturing excellence
- Facilitated harmonization efforts across Buffalo plant to guarantee employee system checks and sanitation compliance

Window Installer, Dave Obi Installations LLC, Rochester, NY ***August 2016 – June 2023***

- Cultivated exceptional customer service skills through formative years, demonstrating an unwavering commitment to customer satisfaction

Skills & Qualifications

- **Computer Skills:** MATLAB, Python, Scala, JavaScript, MS Office, Google Suite, AutoCAD, SolidWorks, Arduino
- **Soft Skills:** Leadership, project management, communication, teamwork, creativity, and adaptability
- **Knowledgeable in Mechanical Engineering Sciences:** Fluid Mechanics, Mechanics of Solids, Dynamics, Heat Transfer, Energy Systems (Current), Engineering Materials, Engineering Economy