

# Xhoni Kulira

31 Grounds Place, Albany, NY 12205

Cell: (518)-491-9255 | Email: kulirax@clarkson.edu

## Education:

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**Clarkson University, Potsdam NY** – August 2018 to August 2020

- Bachelor of Science in Mechanical Engineering
- Minor in mathematics
- Graduated with a 2.81 GPA

**Hudson Valley Community College, Troy NY** – August 2016 to May 2018

- Associates of Engineering Science
- Graduated with a 3.40 GPA
- Represented HVCC in the NYSMATYC Math competition

## Relevant Experience:

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**Clarkson Greenhouse Design Project, Potsdam NY** – August 2019 to December 2019

- Designed heating system to recycle hot water from the nearby Cheel building.
- Created work breakdown structure, performed fluid flow calculations, carried out engineering fieldwork, aided in parts acquisition, and presented team bi-weekly progress reports.
- Collaborated with other teams to integrate heating system design with ventilation and control systems.

**Volunteer Technician, USS Slater Restoration, Albany NY** – May 2018 to August 2018

- Acquired hands on training in the use of industrial equipment and safety procedures.
- Fabricated and installed various shipboard components from scrap, based on original designs.
- Applied interpersonal skills while working with other volunteers to complete assigned projects on time.

**HVCC Engineering Design Projects, Troy NY** – January 2017 to May 2017

- Designed and constructed a trebuchet which accurately landed shots in a designated target region.
- Constructed spring powered vehicle for competition using engineering principles. Effectively led the team to first place.

**3<sup>rd</sup> place, Capital District Engineers week model bridge competition** – February 2015

- Designed and built a balsa wood bridge using engineering principles and simulation software.
- The design placed 3<sup>rd</sup> in the load per bridge weight ratio category of the competition, carrying approximately 210 pounds.

## Technical Skills:

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- Microsoft Office, Solid Works, Autodesk Inventor, C++, Python, MATLAB, ANSYS, Metal fabrication

## Work Experience:

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**Chemical Operator, Momentive Performance Materials, Waterford NY** – December 2020 to Present

- Finishing and packaging of high margin products for clients such as SpaceX and NASA.
- Communicate and coordinate with area leadership regarding any production, product quality, or safety issues as they arise.
- Properly fill, label and position all hazardous and non-hazardous waste in identified storage/pickup areas.
- Apply quality control procedures to finished products.
- Completed 24 hour HAZWOPER training.

**Store Clerk, Euro Deli and Market, Latham NY** – July 2016 to April 2018 & May 2019 to August 2019

- Managed incoming shipments, stocked shelves, worked the register, and served customers.

## Activities and Volunteering:

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**HVCC Engineering Club, Troy NY** – August 2017 to May 2018

**Paddlers of Hope Dragon Boat Festival, Team Momentive, Waterford NY** – August 2019

**Polar Plunge, Team Momentive, Lake George NY** – November 2017