

Jessy Li

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EDUCATION: State University of New York at New Paltz

May 2020

Degrees: Bachelor of Science in Mechanical Engineering

GPA 3.37

Minor in Digital Design and Fabrication

Study Abroad: Meiji University, Tokyo, Japan

Summer 2019

TECHNICAL SKILLS:

- CAD Software: Solidworks, Rhinoceros, AutoDesk
- Stratasys Additive Manufacturing Level 1 Certification
- Proficient in Microsoft Office and Excel

PROJECTS:

Senior Design – Obstacle Detection Device

Fall 2019 – Spring 2020

- Designed a wearable device that aids the visually impaired in their daily lives in the most non-invasive way possible, comfortable to wear, and affordable to all. The device detects nearby objects and notifies the user through vibrations that indicate the object's distance and location in parallel to the user's body. Model simulations, drop tests and moisture tests were performed to analyze the durability of the main storage housing.

Humidity & Temperature Indicator Device

Spring 2019

- Designed a device that measures the percentage of humidity in its surrounding area. When the humidity is not within ideal humidity range for health and comfort, the device would notify the user using LED lights. A display is also used to inform the user of the humidity percentage and temperature in the area.

EXPERIENCE:

The Port Authority of NY & NJ

June 2018 – August 2018

PATH, Way and Structures Division | Intern/Engineering Aide

June 2019 – August 2019

- Assisted Field Supervisors on daily inspections of operation and maintenance activities throughout the Journal Square Transportation Center complex
- Designed and coordinated details for building and space renovation projects
- Developed and presented project plans and progress to upper and executive management for project approval
- Created and designed floor plan drawings using AutoCAD and created visual aids and animations using 3DMax

Well Port Container Line Inc.

July 2021 – Current

Ocean Import Operator

- Liaison at all levels with shipping lines, service providers, overseas agents, clients and customers
- Obtain all the correct documentation and ensuring payments have been cleared prior to release/delivery of cargo
- Communicate effectively with the customer to obtain relevant information and ensure their needs are met

ACTIVITIES:

John Jay High School Robotics Team | Mentor

September 2019 – February 2020

- Taught and instructed students how to use Computer Aided Design (CAD)
- Provided guidance through sharing of personal experiences on the First Tech Challenge (FTC) Program
- Created an encouraging and inspiring environment for students

American Society of Mechanical Engineers (ASME) | Member

February 2018 – May 2020

- Interacted with other members in the university and together created a community within the Engineering Department with a focus on Mechanical Engineering
- Active participant at bi-weekly meetings, which also served as a venue for students to de-stress with fun activities

New Paltz Communities: Service-Learning | Member

Fall 2016 – Spring 2017

- Volunteered with various initiatives around the community and gained a better understanding of social issues
- Participated in dialog exchange meetings/discussions and shared my experience to help improve the programs and services made available to the community