

Zackary J. Aziz

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Objective:

Currently, I am searching for a full time position as an Industrial or Product Designer.

Education:

University of Bridgeport – Senior

Expected Graduation: May 2021

Bachelor of Science

Degree in Industrial Design

- NASA award for SSEP (Student Spaceflight Engineering Project)
- President's list:
 - Fall and Spring 2019
- Dean's list every semester

Academic Projects:

- Unilever – Environmental Conservation
 - Researched and developed concepts to make Unilever products more environmentally friendly by using alternate materials and refillable methods. I accomplished this by making Unilever products refillable and selling the refills for these products in a completely biodegradable seaweed based packaging. Worked with a Graphic Designer to advertise and present this product to Unilever representatives and engineers.
- Comar – New Medical Device
 - Created a new way to package medication in a device that tells the patient when it's time to take the next dose via lights and sounds. This device was made to be accommodating to the hard of hearing, visually impaired, or suffers from short term memory loss. Accomplished by adding light and sound modules to a standard size pill bottle cap, and the ability to be reprogrammed quickly by a pharmacist. Introduced stronger materials to allow cap to be reused on other medications, making the pharmaceutical field more environmentally friendly.

- Auto Safety Competition
 - Created a mini drones nest that sits atop telephone poles or trees that keep watch and recognize patterns to assist pedestrians in crossing the street safely in low visibility situations. Accomplishes this by lighting up area of moving pedestrians and playing a loud sound if vehicle is quickly approaching. Can also be used to trace and follow suspect vehicles by recognizing crash or accident patterns.

- IHA Competition
 - Made a device that is able to silence a room from outside distractions by using vibrations, anti-soundwaves, and sound absorbing technology. Device will listen to surrounding area outside, when it detects sound or vibrations, anti-soundwaves will be emitted to cancel out all outside distractions. Worked with audio engineer on initial concept.

- Assa Ably
 - Made concepts of hands free doors to assist in the prevention of Covid-19. Achieved by changing the shape of the door handle to encourage use of wrist or elbow upon opening. I also ensured that concept was in line with all local fire and safety codes.

Work Experience

Various retail positions since 2013

Skills:

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|-----------------------------------|--------------------|
| • 3D Printing (FDM and SLA) | • Concept Modeling |
| • Concept Sketching | • Keyshot |
| • Microsoft Word/PowerPoint/Excel | • NX |
| • Photoshop | • Sketchbook Pro |
| • Slicer Software | • Solidworks |

Professional References: Available upon request.