

# BRYAN CULLANO

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<https://bcullano.github.io/website/>



## EDUCATION

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### New Jersey Institute of Technology

Newark, NJ

*Master of Science, Mechanical Engineering*

Sep 2020 – May 2022

*Bachelor of Science, Mechanical Engineering*

Sep 2017 – May 2021

- Minor: Applied Mathematics
- GPA: 3.95

## EXPERIENCE

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### Stealth Indoor Vertical Farming Venture

Jul 2019 – Mar 2020

*Engineering Intern / Assistant Project Manager*

Greater NYC Area

- Implemented and tested plumbing systems for critical research and development facility, ensured on-time delivery of an error-free, fully functional plumbing system
- Trained, supervised, and mentored 5 engineering interns, ensuring that all subordinates achieved required technical skills in plumbing and mechanical systems
- Designed and executed mechanical systems to free up 30% of space for other systems
- Installed distribution boxes to power facility equipment and panels for I/O control and power transformation

### NJIT Electrical & Computer Engineering Department

Jun – Jul 2019

*Research Assistant*

Newark, NJ

- Collaborated in a cross-functional team of mechanical and computer engineers to simulate 360° view driving using RC cars, cameras and 3D printed parts designed in Creo
- Created MATLAB program to show multiple landscape view windows of a radial image to be used in LabVIEW

### Dunkin'

Aug – Dec 2018

*Crew Member*

Bridgewater, NJ

- Communicated with customers and maintained an organized work area
- Made and delivered orders in a fast-paced environment during peak hours

## SKILLS

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**Computer:** Creo (Advanced), SolidWorks (Advanced), Ansys (Intermediate), AutoCAD (Intermediate), Python (Intermediate), HTML & CSS (Intermediate), MATLAB (Basic), and LabVIEW (Basic)

**Language:** Tagalog (Listening: Intermediate, Speaking: Basic), French (Intermediate)

## AFFILIATIONS

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### NJIT Solar Car Team

- Collaborated to determine steering geometry, wheel configurations, and parts
- Aided in design of battery box ventilation system and box layouts of carbon fiber weave with resin

### Society of Musical Arts

- Practice for bi-yearly concerts as a 1<sup>st</sup> violinist of the string ensemble
- Collaborate with ensemble members to produce a virtual concert video

### Albert Dorman Honors College

- Participate in honors-level courses, colloquia, and community service

### Pi Tau Sigma Honors Society

- Recognized for academic standing as an ME student at top 25% for juniors helped organize events as secretary