

Andrew Nguyen

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EDUCATION

Bachelor of Science

Anticipated May 2024

Rowan University, Glassboro, NJ

Major: Mechanical Engineering

PROJECTS

Car Rubber Project, *Sophomore Engineering Clinic II*

Spring 2022

- Fabricated a rubber tire using TPU for an RC car.
- Negotiated engineering decision making and ethics in the creation of rubber.

Mechanized Arm, *Introduction to Mechanical Design*

Fall 2020

- Designed a payload and mechanized arm using SOLIDWORKS, meant to grasp the payload and transport it to a designated drop zone.
- Conducted graphical and analytical linkage synthesis to ensure optimal mechanical advantage for the lifting mechanism of the arm.

3D Printed Duplo Block, *Freshman Engineering Clinic I*

Fall 2019

- Designed a custom model in OnShape to perfectly fit onto a Duplo block.
 - Manufactured the design with a 3D printer.
 - Analyzed and revised the printed product.
 - Redesigned and reprinted for an optimal final product.
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RELATED EXPERIENCE

Amazon PNE5

June 2021 - August 2021

Robbinsville, NJ

Warehouse Associate

- Performed in a fast-paced environment where inventory items are received, unloaded, and placed accurately and appropriately.
 - Ensured that packages get delivered to customers on time.
 - Examined merchandise and inspected them for damages and flaws.
 - Strictly adhered to safety regulations and guidelines.
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SKILLS & INTERESTS

Skills

- Computer software experience including Microsoft Office and SolidWorks.
- Communication and reasoning with customers and coworkers.
- Problem solving skills.

Interests

- Playing classical guitar.
 - Training and competing in Brazilian jiu-jitsu.
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EXTRACURRICULAR

Member, Rowan University MMA Club

September 2022 - Present