

Jake Block

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EDUCATION:

Rowan University

B.S. Civil Engineering

GPA: 3.3/4.0

Glassboro, NJ

Anticipated May 2024

Honors and Awards: Dean's List Fall 2022 and Spring 2023

WORK EXPERIENCE:

Six Flags Great Adventure

Jackson, NJ

Team Member (Retail)

March 2018 - August 2022

- Worked heavily in strollers, a subsection of the Retail Department
- Restocked shelves, fixtures, and displays with new merchandise whenever possible
- Operated Point of Sale (POS) registers, receiving and returning currency
- Kept store clean and organized for guests
- Greatly improved coordination and communication skills when working with others

EXPERIENCE:

Rowan 3D Printing Club

Glassboro, NJ

Fundraising Chair

November 2020 - Present

- Planned numerous fundraising events for the club in collaboration with other eboard members
- Demonstrated expertise in operating and maintaining 3D printers, ensuring high-quality outputs
- Collaborated with club members to explore and implemented cutting-edge 3D printing techniques
- Used the modeling skills from the club to assist in future classes

Concrete Canoe Leadership Team

Glassboro, NJ

Asst. Construction Manager/Asst. Hull Design Manager

September 2022 - Present

- Constructed a concrete canoe for the 2023 ASCE Regional and National Competitions
- Collaborated with group members and outside consultants during testing and construction phases
- Prepared and tested several mix designs for compressive strength and durability
- Participated in the 2023 ASCE Student Symposium hosted by Rowan University
- Won the Mid-Atlantic Regional Championship, outperforming seven teams

TECHNICAL SKILLS:

Modeling Software: AutoCAD, Onshape, Ultimaker CURA, Meshmixer

Editing Software: Adobe Illustrator, Adobe Premiere Pro

Programming Language: Java

Processing Software: Microsoft 365, Google Apps

Additive Manufacturing: Creality 3D Printers

Familiarity with ASTM Standards: C143, C231, C39, C78, D698, D1556

ENGINEERING COURSES TAKEN:

Statics

Field Surveying

Dynamics

Solid Mechanics

Fluid Mechanics

Material Science

Civil Engineering Materials

Structural Analysis

Water Resources Engineering

Environmental Engineering I

Geotechnical Engineering

Transportation Engineering