Isabella Testa

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Objective:

I am a goal-oriented individual pursuing a Bachelor of Science in Biomedical Engineering. I am seeking a position that will challenge me and allow me to use my skills and education to become an integral part of a successful team.

Coursework:

Circuit Analysis, Advanced Math Engineering I & II, Statics & Mechanics, Fundamentals of Biomedical Engineering, Fundamentals of Engineering Design, Biofluid Mechanics, Biomaterials, Tissue Engineering and Regenerative Medicine.

Education:

The College of New Jersey — Bachelor of Science in Engineering
January 2022-Present

Catholic University of America

Bachelor of Science in Engineering
September 2020- December 2021

Work Experience:

Public Partnerships, Inc., December 2021- Present

- Supervise individuals with disabilities and guide them throughout the community on a 1:1 basis

Dr. Housecall, LLC, June 2019- September 2021

- Communicated with patients' phone calls
- entered patient data into appropriate electronic healthcare records

Campus Involvement:

Society of Women Engineers, September 2021- Present

- A community of women engineers at TCNJ with access to tools, scholarships, training, leadership development, and networking focuses on women entering engineering.

Best Buddies, September 2021- Present

- An organization that allows people with and without Intellectual Development Disabilities to meet and mentor while improving the quality and level of inclusion for those with disabilities.

Society of Biomedical Engineers, September 2022-Present

- A professional association that promotes a collaborative and inclusive community to advance human health through education and discovery.

Autism Awareness Club, September 2022-Present

- An organization that promotes awareness and strives to create a better understanding and support of those living with Autism Spectrum Disorders across the College of New Jersey campus.

Projects:

MATLAB Connect Four, Fall 2020

Design and code a connect four platforms for users to play on MATLAB

MATLAB Drug Delivery, Summer 2022

Design and code a drug delivery system and determine the effectiveness of drugs

SOLIDWORKS and ANSYS Trabecular Bone Support Mechanical Testing, Spring 2023

Design a bone support and use ANSYS to test mechanical properties

ANSYS Fluent, Spring 2023

Design a microfluidic device to simulate endothelial cells and determine the wall shear stress through hand calculations and ANSYS Fluent