Arthur Tanchoco Jr.

arthurta@buffalo.edu - 845-422-0943
https://www.linkedin.com/in/arthur-tanchoco-jr-078697202/

EDUCATION

University at Buffalo, The State University of New York

1. Bachelor of Science, Mechanical Engineering — *Anticipated May 2024*
2. Bachelor of Science, Aerospace Engineering — *Cumulative UB 3.99/4.0 GPA*

Honors

- Tau Beta Pi – The Engineering Honor Society – New York Nu Chapter – Initiated November 20th, 2021
    - Vice President for the 2022-2023 academic year, reelected for 2023-2024 academic year.

Relevant Coursework

Gas Dynamics, Intermediate Dynamics, Aerodynamics, Thermodynamics, Heat Transfer, Fluid Mechanics, Machines and Mechanisms, Product Design in a CAE Environment, Applied Math for Engineering, Dynamics Systems

EXPERIENCE

Team Leader Assistant – General Mills, Buffalo Cereal Plant — *June 2023- Present*

- Working with plant management to develop and implement Excel based software around their workflow.
- Developing overtime system and labor scheduling utilizing advanced macros.
- Extensive use of Visual Basic to create macros which manipulate and display data.

Career Fair Event Coordinator — *September 2022-Present*

- Coordinated the Tau Beta Pi engineering career fair and honors brunch during the fall 2022 and spring 2023 semesters. Worked directly with university administration and communicated with company representatives.
- Hosted 25 companies from various engineering and computer science fields with a 332-student turnout.
- Leading the career development team for planning the fall 2023 honors dinner.

Undergraduate Teaching Assistant — *February 2023-May 2023*

- Teaching Assistant for Intermediate Dynamics for the spring 2023 semester.
- Responsibilities included holding office hours, attending lectures to aid students in assignments, and grading assignments.
- Role required the writing and debugging of MATLAB code.

Student Tutor — *March 2022-May 2023*

- Tutored through Tau Beta Pi outreach, covering various Mechanical/Aerospace engineering courses.
- Helped multiple students in Dynamics over the Spring 2022 semester. Topics covered include kinematics, kinetics, and circular motion. Worked with students throughout 2022-2023 in statics and physics.

SKILLS

- Knowledge and extensive use of MATLAB from engineering courses.
- Experience in CAD software such as SolidWorks, Fusion 360, and Inventor.
    - Ran FEA simulations in SolidWorks to analyze loading of various parts of an assembly. Determined factor of safety of each part and determined a design change to improve part.
    - Basic knowledge and application of GD&T.
- Knowledge and experience with Microsoft Word, PowerPoint, and Excel.
    - Use of VBA to create non-recordable Excel macros.