

Samuel M. Piedmonte

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OBJECTIVE To obtain an internship in the mechanical engineering and gain real world engineering experience by summer 2023.

EDUCATION **Bachelor of Science in Mechanical Engineering**
Engineering Leadership Development Minor **Graduating**
The College of Science and Engineering **December 2023**
The Pennsylvania State University, University Park, PA **GPA: 3.31/4.00**
Associates in Science and Mathematics, Bellevue College

Relevant Coursework

Engineering Design & Graphics	Calculus I / II /III
Thermodynamics, Fluid Dynamics	Mechanical design
Statics, Dynamics, Mechanics of Materials	Vibration Mechanics
Engineering Leadership, Entrepreneurship	Design Methodology

ENGINEERING EXPERIENCE **ACRP Challenge** Designed and analyzed novel runway excursion prevention device
Engineering Design Prototyped, coded, and 3D printed fully functional smart cup
Entrepreneurship Created custom neon sign business to generate recurring income
Engineering Design Prototyped, designed, and built learning exhibit for children

SOFTWARE SolidWorks, AutoCAD
MATLAB, Arduino, C#, Python Programming languages

LEADERSHIP	Member, Lake Washington robotics club	2016-18
	Member, Lake Washington Swimming team	2016-20
	Assistant Senior Patrol Leader, Boy Scouts of America	2019
	Engineering leadership Society	2021-Current
	Peer Partnership Program	2022-Current

HONORS	Recipient, Boy Scouts of America Eagle Scout Rank	2020
	Recipient, 4 th year varsity swimmer	2016-20
	Recipient, 1 st Place engineering design	2020

WORK EXPERIENCE **Mechanical Engineering Intern**
Bechamo, Buffalo NY 2022
Designed, built, and tested aircraft with functioning moving surfaces to physically represent emulation code.

Skills	Visualize 3D solutions	Charismatic
	Quick to learn	Problem solving
Interests	Backpacking, Swimming, Snowboarding, Functional Building Projects	

