

Samuel M. Piedmonte

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Campus Address

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LinkedIn and Portfolio

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Permanent Address

22327 19th Ave SE
Bothell, WA 98021

EDUCATION

Bachelor of Science in Mechanical Engineering

Engineering Leadership Development Minor

The College of Science and Engineering

The Pennsylvania State University, University Park, PA
Associates in Science and Mathematics, Bellevue College

Graduating

December 2023

GPA: **3.31/4.00**

WORK

Mechanical Engineering Intern

EXPERIENCE

Bechamo, Buffalo NY

2022

Designed, built, and tested aircraft with functioning moving surfaces to physically represent emulation code.

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.

RELEVANT COURSES

Engineering Design & Graphics
Thermodynamics, Fluid Dynamics
Statics, Dynamics, Mechanics of Materials
Engineering Leadership, Entrepreneurship

Calculus I / II /III
Mechanical design
Vibration Mechanics
Design Methodology

SOFTWARE

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

LEADERSHIP

Peer Partnership Program

2022-Current

Engineering leadership Society

2021-Current

Vice President Sigma Tau Gamma Fraternity

2021-2022

Assistant Senior Patrol Leader, Boy Scouts of America

2019

Member, Lake Washington Swimming team

2016-20

Member, Lake Washington robotics club

2016-18

HONORS

Recipient, Boy Scouts of America Eagle Scout Rank

2020

Recipient, 4th year varsity swimmer

2016-20

Recipient, 1st Place engineering design

2020

Skills

Visualize 3D solutions
Quick to learn

Communication
Problem solving.