KYRA LEE

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EDUCATION

University of Puget Sound - Tacoma, WA
Class of 2024

Math (B.S), Exercise Science (B.S.), Neuroscience (B.A.)

GPA: 3.79/4.00

Relevant Coursework: Linear Algebra, Partial Differential Equations, Real Analysis, Numerical Analysis, Point-Set Topology, Biomechanics, Neuromuscular Adaptation, Human Physiology

SKILLS

LaTeX Software

Python

SolidWorks

Blender

C++

Matlab

Java

LANGUAGES

English (Native)

American Sign Language (Fluent)

HONORS & AWARDS

Fulbright Scholarship Finalist
2024

University of Puget Sound Writing Excellence Award
2024

University of Puget Sound Trustee Scholarship (Merit-Based)
2019-2024

Hurley Community Service Scholarship
2021

Dept. of Exercise Science Class Scholar
2021

RESEARCH EXPERIENCE

MIT Lincoln Laboratory *1/2026*
Assistant Technical Staff
— Group 95: Space Systems Analysis and Test

Western Sydney University *1/2025 - present*
Fulbright Scholar
— Pursuing studies and research in Neuromorphic Engineering

National Aeronautics and Space Administration - JSC *8/2022 - 12/2022*
Spacesuit Ergonomics and Injury Prevention Intern
— Engaged in multiple projects within the Anthropometry and Biomechanics Facility (ABF) regarding predictive mathematical modeling of human motion within a spacesuit, hand-tool ergonomics, and movement and anthropometric differences for extra-vehicular tasks

Arizona State University *Summer 2022*
Summer Undergraduate Research Intern
— Built the software and hardware for smart shoes to analyze human gait and integrated the shoes with a lower-limb exoskeleton
— Designed and 3D printed exoskeleton parts using SolidWorks
— Modeled human knee impedance and wrote a gait phase detection program

National Aeronautics and Space Administration - MSFC *Summer 2021*
Research Intern
— Researched and tested the performance characteristics of a new material for therapeutic applications to improve gait cycles for returning astronauts and people on Earth who suffer from limited mobility
— Collected and analyzed ground reaction forces with force plate technology

University of Puget Sound
Coffman Laboratory - Research Assistant *8/2023 - 5/2024*
— Understanding how the lungs adapt to environmental stressors, such as extreme heat during exercise

Pohl Laboratory - Undergraduate Researcher *8/2021-5/2023*
— Conducted original research to investigate the biomechanical impacts of asymmetrical, lateral loading on gait cycles and ground reaction forces

WORK EXPERIENCE

TEMSCO Helicopters *Summer 2024*
Seasonal Employee
— Trained to load passengers on and off of helicopters, provide safety briefings, and refuel helicopters
— Communicated clearly with dispatchers, glacier guides, and passengers

University of Puget Sound Security Services *1/2021-12/2021*
Campus Security Assistant
— Operated nightly patrols and administered first-responder assistance to campus emergencies