

2025-2026 ACA STEM Graduate Training Projects

Engineering Design & Analysis

Development of the Aerospin Vacuum-Lift Aircraft

Conceptual Design and Preliminary Construction Plan for an Aerospin Airship Docking Station

Turning Rotation into Thrust: Simulation & Control Strategies for Spherical and Cylindrical Vacuum Chamber Airship (VCA - Aerospin)

Helium-Encapsulated Thermal Loss Analysis for a Rotating Vacuum Lift Sphere

The Independent Feasibility Review of Distributed Wing Aircraft Concepts for Extended Flight

Regulatory Affairs

Regulatory Roadmap for an Active Pressure Suit for POTS Patients

Health Care & Pharmaceutical Science

Generic vs Brand: A Public Analysis of Quality and Safety Signals in FDA Reports (Phase 1 &2)

Ultra-Slow Tilt Table: Research & Design Planning for Neuronal Reconditioning in POTS and Related Autonomic Disorders

Community Medication Safety Research Initiative

Engineering Design Development of an Active Compression Suit for POTS Patients

Trends and Public Impact of Adverse Drug Events: A Data-Driven Public Education Report

Financial Analysis

Auto Loan Credit Decisioning Analysis

STEM Career Guidance

Launchpad to Aerospace: A Practical Career Guide for Future Aeronautical & Aerospace Engineers

A Student's Guide to Analytical Chemistry & Pharmaceutical Quality Careers
Detailed Cybersecurity Career Guide: From High School to PhD

Advanced Software Coding and Computer Modeling

Harmonetics Deep Dive and Migration Pathway Design

Hardware-Aware AI Optimization for Health Chips: A Case Study on Pneumonia Detection Using Chest X-Rays