

## Contact

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(LinkedIn)

## Top Skills

Policy Advocacy  
Building Trust  
Tableau

## Publications

Strategic Evolution of the Innovation  
Lab at the Aerospace Corporation

Exploring Insights from Emerging  
Space Agencies

Hyperxite: Changing the Future of  
Transportation

HyperXite is FAST, The Future  
of Affordable and Sustainable  
Transportation

Early Outcomes from the Innovation  
Initiative at the Aerospace  
Corporation

# Mackenzie Puig-Hall

Emerging Technology Policy

Washington, District of Columbia, United States

## Summary

Hello! I'm Mackenzie, an innovative self-starter with a background in technical and policy work, eager to apply my passion, skill, and experience in the pursuit of a more secure and equitable future for all.

## Experience

Center for European Policy Analysis

Program Manager for Tech Policy

June 2024 - Present (1 year 3 months)

Washington, District of Columbia, United States

Systems Planning & Analysis

Research & Policy Analyst for Space Force CTIO

November 2023 - March 2025 (1 year 5 months)

Washington DC-Baltimore Area

Conduct in-depth policy analyses and assessments for the United States Space Force's Chief Innovation and Technology Office, focusing on emerging technologies and AI // Serve as a trusted expert for the development of the Space Force's innovation strategy and policies governing emerging technologies and future-looking R&D // Remain up-to-date with the latest technical and political developments in across the space enterprise

The Aerospace Corporation

6 years 10 months

Innovation Programs and Outreach Lead

September 2022 - March 2024 (1 year 7 months)

Washington, District of Columbia, United States

Member of the Technical Staff, Innovation Programs

August 2018 - September 2022 (4 years 2 months)

Chantilly, Virginia, United States

Assoc. Member of the Technical Staff, Innovation Operations

November 2017 - August 2018 (10 months)

El Segundo, California, United States

Oversaw new ventures within the Innovation Lab including a Maker Space concept that will demonstrate a versatile lab-of-the-future and an introductory robotics kit to promote robotics brainstorming within the company.

Partnered with the NASA's Jet Propulsion Lab to design and execute a project that challenged Aerospace Corporation interns to use a ROS-based collaborative robotics platform and machine vision to identify and collect sample tubes left behind by the Perseverance Mars rover.

Oversaw the Innovation Lab's robotics ventures, including ROS-based collaborative and swarm robotics; and led the development of a prototype satellite test-bed using balloons.

Orchestrated outreach events and activities aimed at encouraging a culture of innovation and designed technical demonstrations for projects within the Innovation Lab's portfolio.

#### Engineering Intern

June 2017 - November 2017 (6 months)

El Segundo, California, United States

#### HyperXite: UCI's Hyperloop Team

11 months

#### Systems Engineer

February 2017 - June 2017 (5 months)

Irvine, CA

Responsibilities include managing integration and overseeing all subsystems on Hyperloop pod.

#### Project Manager

August 2016 - February 2017 (7 months)

Irvine, CA

- Managed team of fifty UCI undergraduate engineering students to design and build a half-scale Hyperloop pod. Our design placed 5th out of 120 international teams in the first phase of competition.

- Responsibilities included managing schedules and budget (total project budget of approx. \$300k), meeting

SpaceX and UCI requirements, organizing meetings and technical/management reviews, personnel assignments, communication between sub-

teams, developing procedures and documentation to be reviewed by SpaceX engineers, and managing logistics for competition events.

- Managed sponsor relations, fundraising, weekly newsletter, website, social media, presentations at school events and conferences (e.g., AIAA Space, Driving Mobility 3), and soliciting donations.

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## Education

The George Washington University

Master of Arts - MA, International Science and Technology  
Policy · (2018 - 2020)

University of California, Irvine

Bachelor's degree, Mechanical Engineering · (2015 - 2017)

Cuesta College

Mechanical Engineering · (2013 - 2015)