



UNITED STATES
DEPARTMENT of DEFENSE'S
FOURTH ACADEMY

Frontier Academy

CYBER | ROBOTICS | SPACE

THE PRESIDIO, SAN FRANCISCO



Aging Academies

BUREAUCRATIC

Modern battlefields are transforming much faster than our military's bureaucratic educational institutions.

UNPREPARED

America's existing Department of Defense academies are failing to prepare our leaders for the wars of the future and a required shift to younger, smarter, generals.

OUTDATED

It is imperative for victory against technologically advanced enemies to create a new class of defense leaders capable of winning in the robotic, space, and cyber wars of the present.



Problem

Solution

Colleges

Cyber

Robotics

Space

Ecosystem

Talent

Location



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A Fourth Service Academy

Create the Department of Defense's fourth service academy to recruit, train, and enable our next generation of Cyber, Robotics, and Space leaders.

WEST POINT

USMA



United States
Military Academy

ANNAPOLIS

USNA



United States
Naval Academy

COLORADO SPRINGS

USFA



United States
Air Force Academy

THE PRESIDIO

USFA



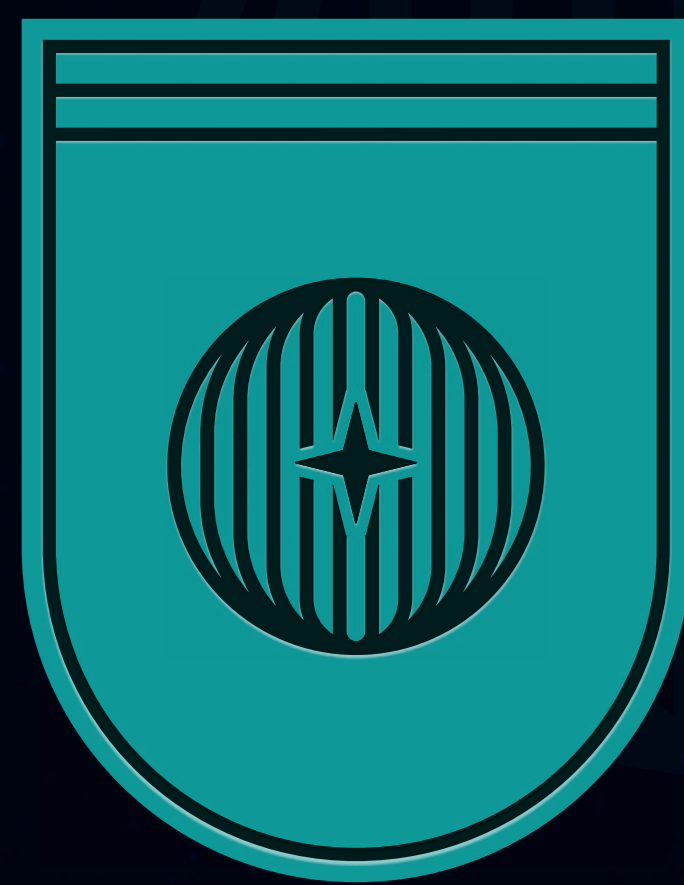
United States
Frontier Academy

Three Core Colleges

A new frontier of warfare has arrived requiring a transformational academy with dedicated colleges to empower America's most brilliant minds.

HEAD

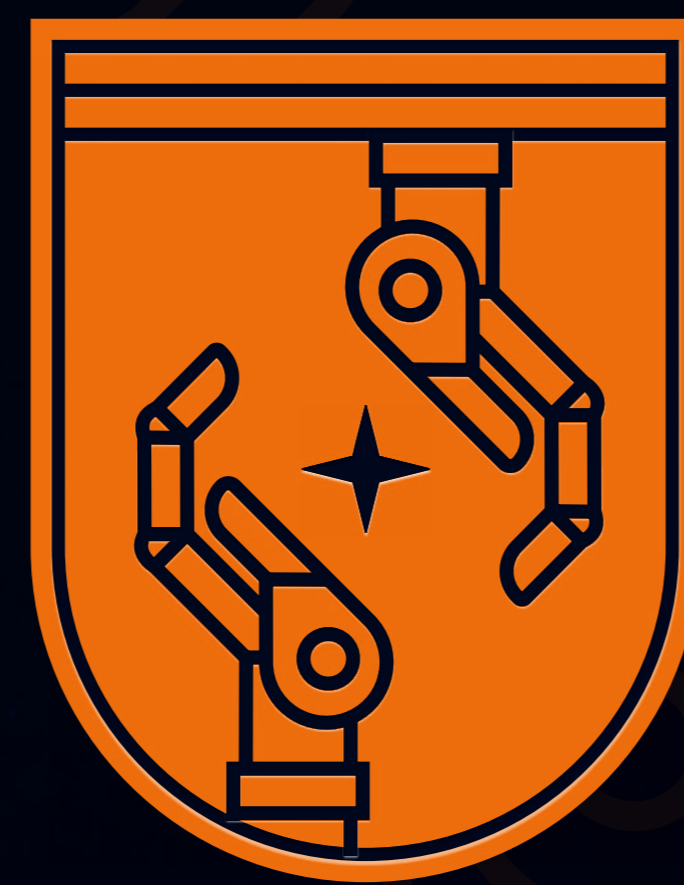
Cyber



Secure the network.
Master the realm.

HAND

Robotics



Innovate to defend.
Engineer to win.

HORIZON

Space



Shape the Domain



Academy Structure

COLLEGES

3 separate colleges.
200 cadets per year,
in each college, at
The Presidio, SF.

ACADEMY

Total Academy
enrolment of
2,400 students

TUITION

Graduates receive a
tuition free, four-year
Bachelor of Science
degree

GRADUATES

Upon graduation, cadets
opt for active commission
into the Space Force, Drone
Force, or Cyber Force

RESERVES

Cadets who do not
choose an active
commission will
enter the reserve
component of their
chosen college
branch and serve
up to one weekend
a month and two
weeks a year



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Cyber College

UNITED STATES FRONTIER ACADEMY



CYBER

Robert A. Heinlein Hall

CYBER
ROBOTICS
SPACE

- Problem
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THE PRESIDIO, SAN FRANCISCO



Robert A. Heinlein Hall

Cadet Year Group Insignia, Coursework and Uniform

0-1

Freshman



0-2

Sophomore



0-3

Junior



0-4

Senior



COLLEGE COURSEWORK

Core Curriculum

Cloud Security

Ethics of Cybersecurity

Future of Humanity: A System Approach

Artificial Intelligence & Cybernetics

Secure Applications: Managing the Deployment Infrastructure

Protocols and Internet Architectures

Electives

Cryptology

Computer Forensics

Cyber Threat Hunting and Intelligence

Space Systems Cybersecurity

Electronic Warfare and Jamming

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ROBOTICS

Isaac
 Asimov
 Hall

Robotics
 College

UNITED STATES FRONTIER ACADEMY

CYBER
 ROBOTICS
 SPACE

THE PRESIDIO, SAN FRANCISCO



Isaac Asimov Hall

Cadet Year Group Insignia, Coursework and Uniform

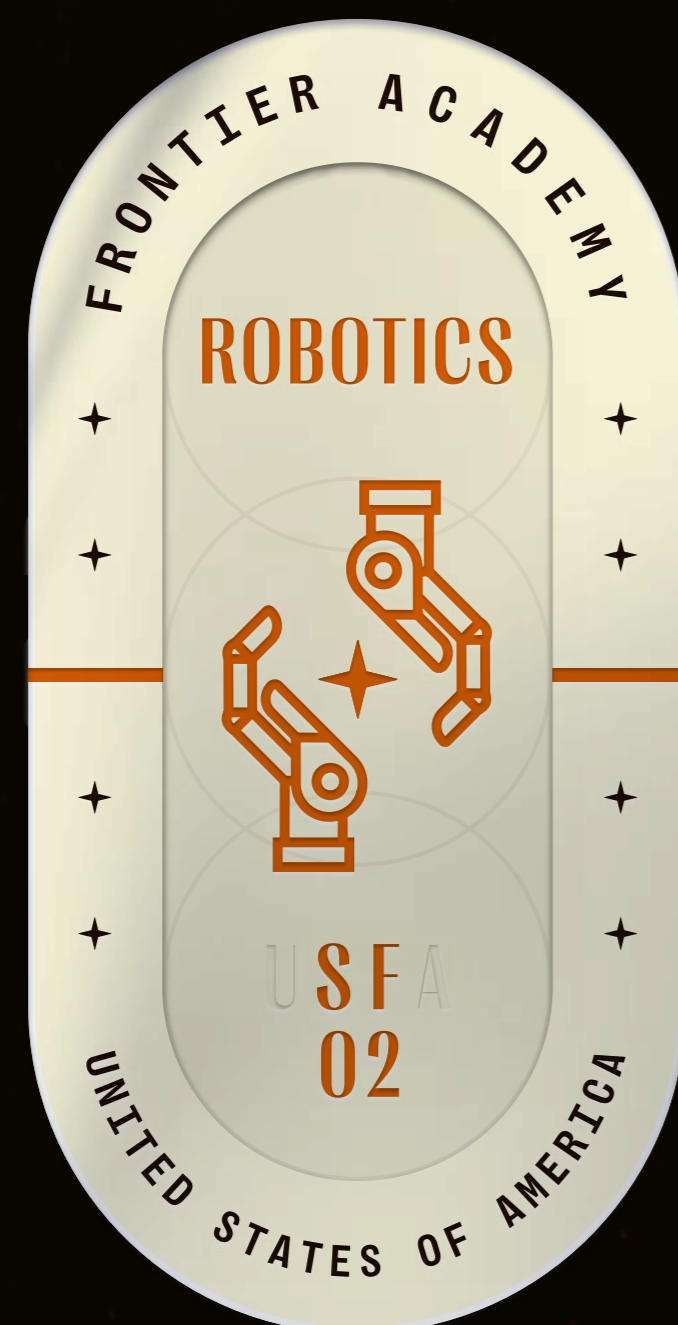
0-1

Freshman



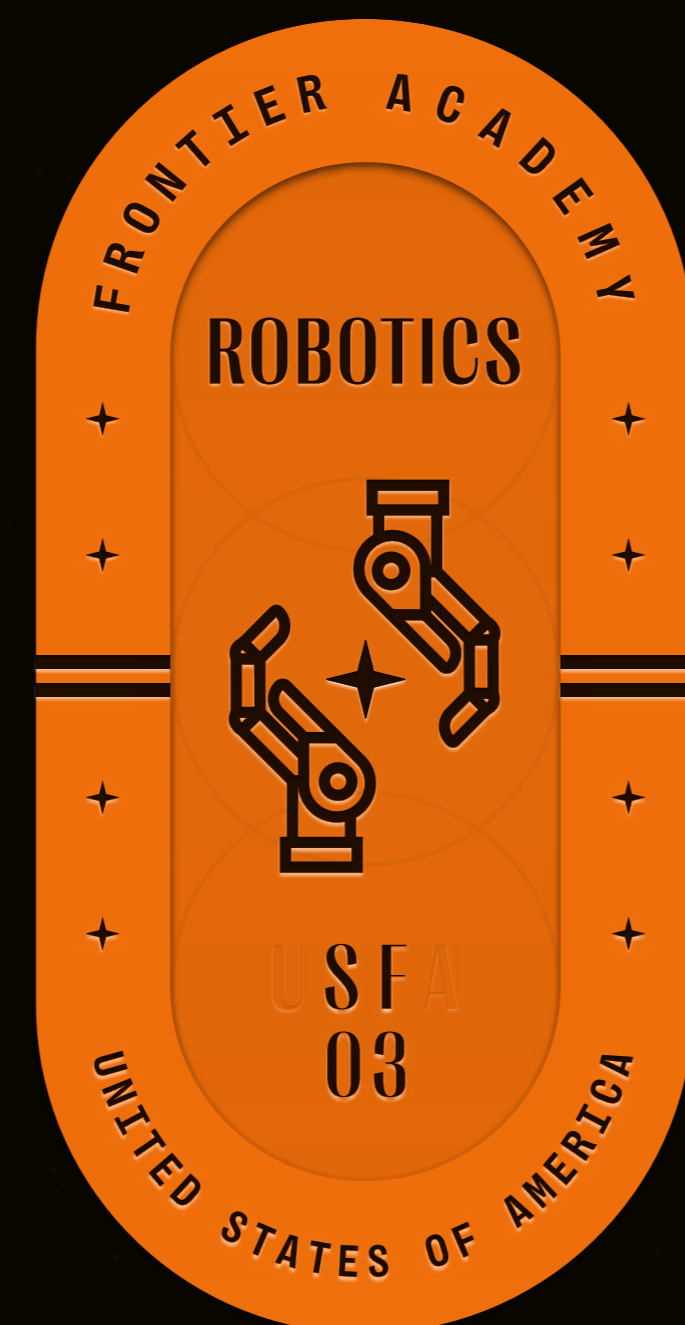
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Sophomore



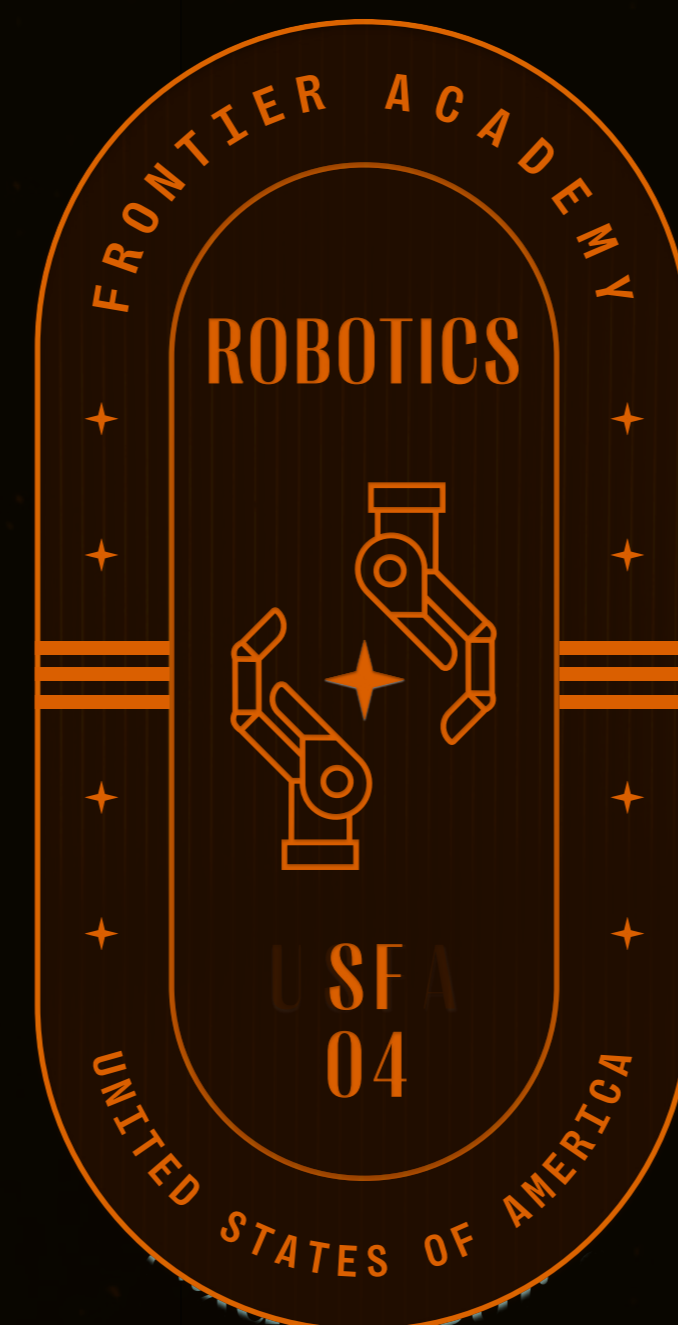
0-3

Junior



0-4

Senior



COLLEGE COURSEWORK

Core Curriculum

Kinematics and Dynamics of Robotics

Artificial Intelligence

Machine Learning Fundamentals

Design and Fabrication of Robots

Principles of Robot Autonomy

Human-AI Interaction

+

Electives

Robot to Robot Collaboration

Perception and Cognitive Systems

Deep Learning Computer Vision

Robotic Network Security

Fundamentals of Swarm Warfare

Legged Robots and Exoskeletons

+

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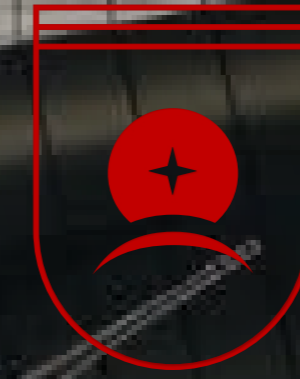
Talent

Location



Space College

UNITED STATES FRONTIER ACADEMY



SPACE

Gene Roddenberry Hall

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Gene Roddenberry Hall

Cadet Year Group Insignia, Coursework and Uniform

0-1

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0-3

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0-4

Senior



COLLEGE COURSEWORK

Core Curriculum

Applied Aerodynamics

Rocket and Space Propulsion

Mechanics of Composites

Synamics and Control of Spacecraft

Introduction to Symmetry Analysis

Introduction to Space Environment

Electives

Autonomous Space Foundations

Satellite to Satellite Combat

Living and Working in Space

U.S. National Space Policy

Maritime Space Integration

Space Intelligence Fundamentals

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Private & Public Ecosystem

| VENTURE CAPITAL | TECHNOLOGY LEADERS | BUSINESS ACCELERATORS | DEFENSE INNOVATION |
|------------------|--------------------|-----------------------|--------------------|
| | | | |



UNITED STATES Unified Frontier



- Problem
- Solution
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Frontier Academy High Schools

Create free federal high schools to nurture America's most talented youth and prepare them for admission to the Frontier Academy colleges

CYBER

Washington D.C.



DC

ROBOTICS

Boston



MA

SPACE

Houston



TX



Why the Presidio?

The Presidio is the most historic location in America to attract and develop our future national security thought leaders.

SOURCE

History

In 1776, the year of America's founding, the first fort was built on the Presidio by the Mexican Army. In 1846, America won the Mexican-American War and took command of Fort Presidio. As a US fort, The Presidio played a role in every American conflict from the Civil War through Desert Storm. As the new home of the Frontier Academy, The Presidio will regain its position as a foundational part of our nation's defense.

SOIL

Geography

Located in the city of San Francisco, The Presidio sits at the nexus of innovation near Silicon Valley. Our nation's technology leaders and most important businesses are located in the San Francisco Bay Area. Bridging the gap between private and public enterprise is the key to our Department of Defense's future success.

SCI-FI

Culture

In the quintessential sci-fi series Star Trek, both Star Fleet Command and Star Fleet Academy were located at the foot of the Golden Gate Bridge on Presidio land. Star Fleet Command was also primarily responsible for the maintenance of historic Fort Point and the Golden Gate Bridge. The Frontier Academy at the Presidio is space travel destiny.



THE PRESIDIO

San Francisco

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Team

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Michael LaValle

Founder & CIO, Strider Capital, LLC.

Prior to founding Strider Capital in December 2020, Mike was a Managing Director at American Capital Management. He co-managed the firm's largest portfolio (\$1billion+), was a partner on the institutional account investment team, and sole-managed the strategy that is now Strider Capital.

Previously, Mike was the founder of venture-funded Gojee, Inc. which was acquired by publicly traded XO Group. Prior to Gojee, he was an analyst with the Technology Investment Banking team and in Equity Capital Markets at Morgan Stanley.

Before Morgan Stanley, Mike served as an infantry platoon leader in the Kunar Valley of Afghanistan, for which he was awarded the Bronze Star. He has also spent extensive time embedded with robotics teams on the front lines of the Russia-Ukraine War.

Mike graduated from the United States Military Academy (West Point) where he was captain of the fencing team. He is a graduate of the U.S. Army's Airborne, Air Assault, and Ranger Schools and is an Eagle Scout.

mike@stridercapital.com



DeVan Shannon

LTC (R)

DeVan advises and educates on national security, irregular warfare, and irregular threats. He is a doctoral student of military history at the National University of Singapore (NUS), focusing on observers in international conflict.

He is former full-time instructor and current part time instructor of sensitive activities at the Joint Special Operations University under U.S. Special Operations Command. A retired Special Forces Lieutenant Colonel with 21 years of service, 17 in Special Forces, where he held key Special Forces leadership and staff roles in sensitive activities.

He served in combat and advisor positions across Asia and the Middle East. DeVan graduated from the United States Military Academy (West Point), captained the fencing team, earned a M.A. in History from NUS, and completed the Special Forces Combat Diver Course, Airborne, Air Assault, Ranger, and Special Forces Schools. He is also an Eagle Scout.

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Leigh Taylor

Vision & Design Director

"The Bill Murray of Design" said one guy...twice.

[@lat](#)

contact@leightaylor.co.uk



THE U.S. DEPARTMENT *of* DEFENSE'S FOURTH ACADEMY

“The enemy's gate is down.”

CYBER · ROBOTICS · SPACE

UNITED STATES FRONTIER ACADEMY