

EVAN HOCH

Colorado Springs, CO
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EDUCATION

BS Data Science | United States Air Force Academy

2021-2025

- GPA: 3.96 | Major's GPA: 4.0

Courses included Programming Fundamentals, Data Structures and Systems, Linear Algebra, Statistics, Data Management, Modelling, Analytics, Artificial Intelligence, Autonomous Systems, and Experimental Design

WORK EXPERIENCE

Cadet Squadron 39 Squadron Commander Fall '24

Fall 2024

Led 100 cadets during the fall 2024 semester. Oversaw all squadron events, discipline, and military training.

Hellcats Delta Basic Training Flight Commander

Summer 2024

Led a team of 5 cadets in onboarding 28 basic cadets into military life. Instilled military discipline, work ethic, and a warrior ethos.

Data Science Cadet Summer Research Program at 9th AF (AFCENT) Headquarters

Summer 2024

Worked with civilian data science professionals to automate aircraft movement monitoring and model anticipated delays, allowing real time data to be reported to senior AF leadership. Additionally, worked with military planners on data policy to transform AFCENT into a data driven headquarters.

Cadet Squadron 39 Standardizations and Evaluations Officer

Spring 2024

Conducted and analyzed squadron inspections and knowledge tests. Achieved 100% completion rate on inspections and uncovered systemic grading issues in knowledge tests. Enhanced analytic and communication skills.

AWARDS AND HONORS

- Phi Kappa Phi Honor Society Member
- Superintendent's Pin Recipient (6x)
- Martinson Honors Program Scholar
- Summer '24 Basic Cadet Training Outstanding Cadet Officer
- Dean's A team/Aces List (4x)

EXTRACURRICULAR INVOLVEMENT

ACADEMIC

- Collaborated with Space ISAC to build and deploy web scraping and summarizing app using AI tools
- Researched the integration of artificial intelligence into offensive cyber efforts
- Researched open-source large language models to assess grading fidelity at USAFA
- Researched new methods for modelling failure rates for critical infrastructure at AF and SF bases
- Researched the use of generative AI in the application of offensive cyber efforts
- Built and deployed innovative web app for ranking awards packages using iterative re-ranking scheme to eliminate bias and streamline decision process
- Built program to analyze more than 10,000 military knowledge tests and assess grading fidelity across USAFA

NON-ACADEMIC

- Nordic Ski Team Captain
- Ultimate Frisbee Team Member
- Beekeeping Club Member
- Mountaineering Club Member