

GRAHAM SHUNK

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EDUCATION

Stanford University

2021 – 2025

- Engineering Physics B.S, intended CS Minor. Pursing Aero/Astro M.S. Interested in Business

EXPERIENCE

Networking Manager, AI & Robotics Estonia (AIRE)

June 2022 - August 2022

- AIRE is an Estonian consulting group that finds AI/Robotic tech startups as well as industrial manufacturing companies and facilitates collaboration between them
- Talk to Baltic startup founders on a daily basis to understand how to make their processes more efficient
- Set up communication between AI startups and manufacturing startups. Expanded professional network

Director, BASES Startup Development

Feb 2022 - Present

- Launch and manage BASES Moonshot, an initiative to create a community of student founders at Stanford
- Organize special guest speaker events and dinners, including hosts such as Xfund
- Mentor student founders on how to launch without dropping out

Principle Investigator, Higher Orbits

2018 – 2022

- [Published](#) research studying organic radiation shields as 1st Author
- Design and send an experiment to the International Space Station, funded by the Higher Orbits Foundation
- Collaborate with a Stanford Postdoc, German Statistician, and Russian microbiologist to publish

Independent Programmer

2019 – Present

- Build iconic games such as 2048, Minesweeper, Snake, & Tetris in Python
- Code several algorithmic trading & quantitative analysis programs in Python
- Develop proficiency in C++/C via CS106/107, popular CS courses at Stanford
- Build a personal website with React from scratch

Private Pilot, Civil Air Patrol

2018 – Present

- Volunteer Mission Pilot for the United States Air Force Auxiliary, Civil Air Patrol
 - Fly search and rescue missions, covid relief missions, and FEMA relief missions
- Lead CAP-150 squadron as NC State Aerospace Officer and 1st Lieutenant
- Aware of many moving things at once, using split-second decision making

2nd Place Winner, NASA Grow Beyond Earth Contest

June 2020

- Design space-efficient planter boxes for use in the ISS
- Won a national contest as a high schooler, competing against collegiate and professional members

SKILLS

Quick Learner	MATLAB/R	CAD	Mircosoft Word & Excel
Leadership/Followership	Python	Inventor	Knowledge of Rocket Subsystems
Emotional Intelligence	C, C++	Fusion 360	Strong Physics Background
Concise Communication	React JS	WordPress	Trained in Fabrication Lab

HONORS, RECOGNITIONS, FEATURES

- Works Cited in [Wikipedia](#), [Astrobiology.com](#), [CNET](#), [NewScientist](#), [Frontiers Journal](#)
- Best in Scientific Leadership, Higher Orbits 2021
- Guest Speaker, AIAA ASCEND Conference 2022
- Presenter, 35th Annual NCSSM Research Symposium 2020
- Interviewed for research by HTB, Russian National Television 2020
- Presenter, International Aerospace Conference, D.C. 2019
- Excellence in Military Leadership, Civil Air Patrol. Recognized out of 3000 cadets 2018

Hobbies: Surfing, Rock Climbing, Backpacking, Playing piano, Coding Crypto/Quant algorithms, PINK FLOYD