







LUNDEEN CAHILLY

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EDUCATION

- **Stanford University**
Stanford, CA
• GPA: 3.9/4.0
• Relevant Coursework: Quantum and Thermal Physics, Mechanics and Special Relativity, Programming Methodologies, Linear Algebra and Multivariable Calculus, Into the Metaverse: Designing the Future of Virtual Worlds, An Intro to Making & EE
- Engineering Physics & Computer Science*
Sep. 2024 – Jun. 2028
- **Phillips Academy**
Andover, MA
• GPA: 5.97/6.0 (top decile: 5.8/6.0)
• Relevant Coursework: Modern Physics, Astronomy Research, AP Physics C Mechanics and E&M, The Art of Persuasion
- Aug. 2020 – Jun. 2024*

EXPERIENCE

- **Virtual Human Interaction Lab (VHIL)**
Stanford, CA
• Working with Prof. Jeremy Bailenson's XR research lab to quantify behavioral effects of XR via objective body measurements
• Developing computer vision-based motion tracking systems to enable precise measurement of human movement responses for studies on multimodal XR interfaces (e.g., haptics, spatial audio)
- Undergraduate Researcher*
Jan. 2025 – Present
- **Stanford Space Initiative**
Stanford, CA
• Architecting flight computer GNC subsystem, implementing high-fidelity attitude determination algorithms including B-dot detumbling, 6th-order IGRF magnetic field modeling, and Kalman Filter for state estimation
• Built 6-DOF attitude propagator incorporating gravity gradient, drag, SRP, magnetic field modeling, etc., with closed-loop LQR and B-dot control law validation with our GNC team
• Created optimization software for PCB-integrated magnetorquer design, incorporating magnetic dipole modeling and KiCAD automation to maximize torque while meeting power constraints
- Satellite GNC Engineer*
Sep. 2024 – Present
- **Dragon Group LLC**
Greenwich, CT
• Financial modeling and strategic analysis on core team for Revitate's successful acquisition of Portland's WNBA franchise
• Conducted on-site strategic consulting in São Paulo for media-tech startups, helping video streaming and data-driven content companies develop international market expansion strategies
• Identified investment opportunity in Epic Games through analysis of Unreal Engine's market potential during 2017 Fortnite growth phase, directly contributing to successful investment decision
- Analyst*
Jun. 2017 – Aug. 2024
- **The Ligado Society**
Greenwich, CT
• 501(c)(3) inclusive tech startup helping marginalized Portuguese-speaking kids esp. in Mozambique & Brazil
• Created & distributed high-value digital COVID-19 info reaching $\geq 50k$ Mozambicans on a regular basis
- Cofounder, Board of Directors*
May 2017 – Present

OTHER PROJECTS

- **heimdall**
• Architecting ML pipeline and backend infrastructure enabling real-time, privacy-preserving dining analytics for athlete nutrition optimization app, developed in collaboration with NCAA athletes including co-founder Max Huang (UChicago XC/TF '28)
• Building anomaly detection and forecasting system synthesizing historical ingredient data, nutritional requirements, and real-time student feedback to reduce food waste across dining facilities (targeting 15% reduction in initial phase)
• Working on securing dining provider partnerships at Stanford and UChicago for Spring 2025 launch
- May 2024 – Present*
- **Corsair Investment Theses & Acquisition**
• Led comprehensive market analysis of gaming peripheral ecosystem trends, developing investment thesis that identified Corsair Gaming's undervalued manufacturing capabilities and brand equity, directly leading to Dragon Group's successful investment
• Leveraged intimate understanding of the gaming ecosystem to identify opportunities post-acquisition, leading to Corsair's subsequent acquisitions of Elgato (content creation), Origin (custom PCs), and SCUF (controllers)
- May 2017 – Dec. 2019*

SKILLS

Technical: Python, Julia, C, KiCAD, Javascript (React, Typescript), Unity, Unreal Engine 5, Solidity, Microcontrollers