






LUNDEEN CAHILLY

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EDUCATION

-  **Stanford University** *Physics & Computer Science*
Stanford, CA *Sep. 2024 – Jun. 2028*
 - GPA: 3.9/4.0
 - Relevant Coursework: 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
-  **Phillips Academy**
Andover, MA *Aug. 2020 – Jun. 2024*
 - 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

EXPERIENCE

-  **Stanford Space Initiative** *Satellite GNC & Avionics Engineer*
Stanford, CA *Sep. 2024 – Present*
 - Developed and tested detumbling algorithms to stabilize our cubesat after Falcon 9 separation, testing and validating magnetorquer performance through high-precision magnetic field measurements
 - Developed physics-based torque optimization software to design PCB-based magnetorquers and draw the circuit directly into KiCAD software – precisely validated our z-panel magnetorquer design
-  **Dragon Group LLC** *Analyst*
Stanford, CA *Jun. 2017 – Aug. 2024*
 - Developed financial models and identified key strategic nuances as part of a 10-person core team, including Lisa and Alex Bhathal, to successfully secure the Bhathal family's acquisition of Portland's new WNBA franchise
 - Spent 1 month in São Paulo working with media-tech founders in video streaming & data-driven content creation to translate their success to global markets
 - Identified Unreal Engine's hidden value during the 2017 Fortnite bubble, directly leading to Epic Games invest't
-  **The Ligado Society** *Cofounder, Board of Directors*
Greenwich, CT *May 2017 – Present*
 - 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

PROJECTS & RESEARCH

-  **Corsair Investment Theses & Acquisition** *May 2017 – Dec. 2019*
 - Conducted comprehensive due diligence and wrote investment theses analyzing emerging trends in the gaming ecosystem, directly leading to Dragon Group's initial Corsair Gaming 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)
-  **Nomi** *May 2024 – Present*
 - College dining startup enabling students with ML to easily find healthy and safe meals, especially athletes and students with food restrictions including myself and cofounder Max Huang (UChicago XC/TF '28)
 - Provide real-time student feedback to dining providers to enable targeted improvements in nutrition and food waste reduction
 - Scheduled to go live at Stanford & UChicago campuses in Q1 2025
-  **HEIMDALL Protocol** *Jun. 2023 – Aug. 2023*
 - Wrote whitepaper proposing architecture of a purpose-built decentralized autonomous organization (DAO) for NASA challenge proposals (e.g., Mars XR challenge) that provides teams access to cheap, information-sensitive compute
 - Architecture incorporates distributed compute, game theory, NASA oracles, & zero-knowledge proofs to optimize digital twin development and simulation while maintaining ITAR compliance
-  **TESS Exoplanet Transit Analysis** *Dec. 2023 – Mar. 2024*
 - Operated observatory monitoring exoplanet transits in collaboration with the NASA/MIT TESS exoplanet mission
 - Produced light curves for 3 exoplanet candidates through differential photometry and time-series analysis

OTHER

Technical Skills: Python, Julia, C++, C, KiCAD, Javascript (Next.js, React Native, Typescript), Unreal Engine 5, Solidity, Microcontrollers, Observatory Operation