

Lundeen Cahilly

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EDUCATION

Stanford University

Stanford, CA

Engineering Physics; Computer Science

Sep. 2024 – Jun. 2028

- GPA: 4.06/4.0
- Coursework: Mechanics and Special Relativity, Linear Algebra and Multivariable Calculus, Into the Metaverse: Designing the Future of Virtual Worlds, Programming Methodologies

Phillips Academy

Andover, MA

High School Diploma

Aug. 2020 – Jun. 2024

- GPA: 5.97/6.0 (*top decile: 5.8/6.0*)
- Coursework: Modern Physics, AP Physics C Mechanics and E&M, Astronomy Research, The Art of Persuasion

EXPERIENCE

Satellite Avionics & ADCS Engineer

Sep. 2024 – Present

Stanford Space Initiative

Stanford, CA

- Designed the z-panel magnetorquer PCB - the only new board in our cubesat this year - by programming a computational model that designs the best-possible magnetorquer within given design constraints
- Developed detumbling algorithms and simulations to ensure cubesat stops rotating after Falcon 9 separation - including testing of magnetorquers via high-precision magnetic field measurements

Analyst

Jun. 2017 – Aug. 2024

Dragon Group LLC

Greenwich, CT

- Provided strategic advising for and developed financial models in a core group of 10 on Lisa and Alex Bhathal's acquisition of Portland's WNBA expansion team
- 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

Cofounder, Board of Directors

May 2017 – Present

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

PROJECTS & RESEARCH

Wafflr | Python, Javascript (React, TailwindCSS, Typescript)

May. 2024 – Present

- College dining startup using ML to enable college students to easily find healthy and safe meals, especially for athletes and students with food restrictions like myself and my cofounder Max Huang (UChicago XC/TF '28)
- Scheduled to go live at Stanford & UChicago campuses in Winter Quarter 2025

TESS Exoplanet Research | Observatory Operation, Python

Dec. 2023 – Mar. 2024

- Operated active observatory and monitored exoplanet transits in collaboration with the NASA TESS mission
- Successfully produced light curves of 4 exoplanet candidates via multiaperture photometry

Corsair Investment Theses & Acquisition | Due Diligence, Market Research

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)

SKILLS

Technical: Python, C++, C, Javascript (React, Next.js, Typescript) HTML/CSS, Excel, UE5, KiCAD, Git, Embedded Software, Microcontrollers, PCB Design, Observatory Operation

Other: Financial Modeling, Market Research, Due Diligence, Strategic Advisory

Languages: English, Portuguese (Limited proficiency)