

# Lundeen Cahilly

203-780-1564 | [lcahilly@stanford.edu](mailto:lcahilly@stanford.edu) | [linkedin.com/in/lundeencahilly](https://www.linkedin.com/in/lundeencahilly)

## EDUCATION

### Stanford University

Stanford, CA

*Engineering Physics BS (CS Track)*

Sep. 2024 – Jun. 2028

- GPA: 4.056/4.0
- Coursework:** Mechanics and Special Relativity, Into the Metaverse: Designing the Future of Virtual Worlds (COMM118S), An Intro to Making (ENGR40M), 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 Z magnetorquer circuit boards - the only new electrical component in our cubesat this year - using a computational model that determines the physically-optimal magnetorquer
- Characterized XY magnetorquers and incorporated my control model into our cubesat's tumbling simulations
- Future-proofing — taking advanced space mechanics coursework (AA279A) this winter with grad team members!

### Summer Analyst

Jun. 2024 – Aug. 2024

*Dragon Group LLC*

Old Greenwich, CT

- Developed financial models and provided strategic advising for Lisa and Alex Bhathal's acquisition of Portland's new WNBA team
- Spent 1 month in São Paulo coaching media tech startup founders in video streaming & data-driven content creation to succeed in global markets

### Intern (Periodic)

Jun. 2017 – Jun. 2024

*Dragon Group LLC*

Old Greenwich, CT

- Conducted due diligence and wrote investment theses for emerging companies in tech, sports, real-time 3d, entertainment, gaming, streaming, and clean energy sectors
- Identified hidden value of Unreal Engine in Epic Games invest't during Fortnite bubble
- Helped lead initial acquisition of Corsair Gaming in 2017 - and subsequent acquisitions of elGato (content creation & streaming tech), Origin (custom gaming PC designer), and SCUF (custom, high-performance gaming controllers)

### Cofounder, Board of Directors

May 2017 – Present

*The Ligado Society*

Old 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 regularly reaching  $\geq 50k$  Mozambicans

## STARTUPS & RESEARCH

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

May. 2024 – Present

- Smart dining startup enabling college students to find safe and healthy meals - especially athletes and students with food restrictions, like myself and my cofounder Max Huang (UChicago XC/TF '28)
- Scheduled to go live at Stanford & UChicago in the Winter Quarter 2025 - currently refining our ML meal recommendation algorithm that considers nutrition, dietary restrictions, preference, dining hall location, etc.

### TESS Exoplanet Research | Observatory Operation & Automation, Python

Dec. 2023 – Mar. 2024

- Conducted follow-up observations for NASA's TESS mission to filter exoplanet candidates
- Operated and managed an active observatory while producing 4 light curves of exoplanets candidates

## SKILLS

**Software:** Python, C++, C, Javascript (React, TailwindCSS, Typescript) HTML/CSS, Excel, UE5, KiCAD, Git

**Hardware:** Embedded Software, Microcontrollers, PCB Design, Soldering, Observatory Operation & Automation

**Languages:** English, Portuguese (Limited proficiency)