Candace Do

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EDUCATION

M.S. Aerospace Engineering, Georgia Institute of Technology, GPA: 4.00 expected May 2026
Fully sponsored by NSF Graduate Research Fellowship Program and AAUW Selected Professions Fellowship.

B.S.E. Mechanical and Aerospace Engineering, Princeton University, GPA: 3.92 May 2024
Honors: *magna cum laude*. Minor in Computer Science. Activities: Rocketry Club (Spaceport America Cup Lead), *The Daily Princetonian* (Head Photo Editor), Society of Women Engineers, Badminton Club, Tau Beta Pi

EXPERIENCE

Graduate Researcher at **Space Systems Design Lab** *Atlanta, GA* Aug. 2024–Present
- Integration and Test Lead for the NASA-led GPDM CubeSat program in the Lightsey Research Group.
- Integration and Test Engineer for the NSF-sponsored VISORS CubeSat program.

Associate Engineer Intern, Starlink Development Test at **SpaceX** *Redmond, WA* May–Aug. 2025
- Re-designed mechanical, thermal, and automation components of in-house thermal vacuum chamber to add turbopumps and variable pressure control.
- Developed and executed friction characterization test for ball bearings.

Associate Engineer Intern, Starlink Solar at **SpaceX** *Redmond, WA* Jun.–Aug. 2024
- Designed procedures and hardware and oversaw testing for solar cell light-induced degradation, proton radiation, and beginning-of-life power modeling.
- Designed solar array brackets for the flight vehicle.

Undergraduate Researcher at **TigerSats Lab** *Princeton, NJ* Jan. 2023–May 2024
- Designed and prototyped a mission-agnostic, open-source PocketQube bus. Received award for best undergraduate thesis in department. Poster presentation at 2024 Small Satellite Conference.
- Designed, built, and tested a motorized shaker table for CubeSat sine vibration testing, which achieved vibration levels seen in launch environments for the same cost as a single outsourced test.

Mechanical Engineering Intern, Space Vehicle Design at **Rocket Lab** *Long Beach, CA* May–Aug. 2023
- Designed a satellite bus mass simulator for proof-loading ground support equipment. Designed vibration test fixtures. Designed harness brackets for flight model and structural/thermal model of satellite bus.

Undergraduate Researcher at **Intelligent Robot Motion Lab** *Princeton, NJ* Aug. 2022–Jan. 2023
- Demonstrated absolute depth estimation capabilities for small FPV drones using monocular RGB images.

Spacecraft Avionics Intern at **Firefly Aerospace** *Cedar Park, TX* May–Aug. 2022
- Developed software and hardware for automated testing of 30+ harnesses on the Blue Ghost lunar lander.
- Designed, managed production of, and tested circuit boards for cobalt-60 radiation testing.

SKILLS

CAD: Siemens NX, Solidworks, Creo, Fusion 360
Programming: Python, MATLAB, Java, Arduino
Other: KiCAD, Altium, Orbital STK, Git, LaTeX, Microsoft Office

AWARDS

- NSF Graduate Research Fellowship (2024)
- AAUW Selected Professions Fellowship (2024)
- Matthew Isakowitz Fellowship Program (2023)
- SWE Alma Kuppinger Forman scholarship (2021)

Updated October 2025