# Candace Do

+1 (425) 586-0537 · candace.do@gmail.com · candacedo.github.io · linkedin.com/in/candace-do

## EDUCATION

**M.S. Aerospace Engineering, Georgia Institute of Technology** expected May 2026

Graduate Researcher in the Space Systems Design Lab. Advised by Dr. Glenn Lightsey.

**B.S.E. Mechanical and Aerospace Engineering, Princeton University**, GPA: 3.92 May 2024

Minor in Computer Science. Activities: Tau Beta Pi Honor Society, Rocketry Club (Spaceport America Cup Lead), Society of Women Engineers, *The Daily Princetonian* (Head Photography Editor), Badminton Club

**Newport High School** (dual-enrolled at Bellevue College), GPA: 4.00 Jun. 2020

## EXPERIENCE

**Associate Engineer Intern** at **SpaceX** Redmond, WA Jun.–Aug. 2024

- Starlink Satellite Power Systems Hardware
- Designed procedures and hardware and oversaw testing for solar cell light-induced degradation, proton radiation, and beginning-of-life power modeling. Designed brackets for flight vehicle.

**Undergraduate Researcher** at **TigerSats Lab** Princeton, NJ Jan. 2023–May 2024

- Designed and prototyped a mission-agnostic, open-source PocketQube bus. Advised by Michael Galvin.
- 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** at **Rocket Lab** Long Beach, CA May–Aug. 2023

- Space Systems Vehicle Design team; selected as part of the Matthew Isakowitz Fellowship Program.
- Designed a satellite bus mass simulator for proof-loading ground support equipment. Designed vibration fixtures for avionics enclosures and solar array hinges. Designed harness brackets for flight model and structural/thermal model (STM) of satellite bus.

**Undergraduate Researcher** at **Intelligent Robot Motion Lab** Princeton, NJ Aug. 2022–Jan. 2023

- Demonstrated absolute depth estimation capabilities for small first-person view drones using monocular RGB images. Advised by Prof. Anirudha Majumdar.

**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 radiation testing of a critical component.
- Analyzed, sourced quotes, and designed harnesses for shock testing of the Blue Ghost avionics boards.
- Supported design verification testing, soldered PCBAs, and wrote test procedures.

**Research Assistant** at **Space Physics Group** Princeton, NJ Apr. 2021–May 2022

- Assisted Prof. David McComas in designing calibration systems for NASA flight instruments.

## SKILLS

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

## AWARDS

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