

Candace Do

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EDUCATION

- Princeton University**, GPA: 3.92 expected May 2024
B.S.E. Mechanical and Aerospace Engineering. Minor in Computer Science.
- Newport High School**, dual-enrolled at Bellevue College, GPA: 4.00 Jun. 2020

EXPERIENCE

- Software Engineering Intern, Arine** May 2021 - Present
- Implement searching and filtering Python algorithms to make medical recommendations, updated to current pharmaceutical standards.
- Undergraduate Research Assistant, Space Physics Group** Apr. 2021 - Present
- Acquire laboratory skills (ultrahigh vacuum, space instrument cleanroom, mechanical/electrical skills).
 - Assist Prof. David McComas and graduate students in designing and building flight instruments for NASA.
- Math Teaching Assistant, Art of Problem Solving** Oct. 2020 - Present
- Assist instructors during classes by answering questions and providing feedback on student work.
- Test Stand Co-Lead & Business Development Associate, Princeton Rocketry Club** Sep. 2020 - Present
- Co-lead a team to design and build a motor test stand to prepare for the Spaceport America Cup 2022 competition. Currently in the design phase, primarily using Creo for CAD and hand calculations for structural analysis.
 - Communicate with potential sponsors to earn funding for club projects and activities.
- NASA L'SPACE Mission Concept Academy & Proposal-Writing Academy** May 2020 - Dec. 2020
- Researched and planned a mission to Enceladus to search for evidence of life as part of a 10-student team.
 - Wrote a proposal for radiator applications of graphene-aluminum composites as part of a 13-student team. Reviewed other teams' proposals through NASA's formal evaluation process.
- Student Researcher, Yale Summer Program in Astrophysics** Jun. 2019 - Aug. 2019
- Created supernovae light curves using Python. Observed DSOs using on-site and remote telescopes.
 - Wrote a short research paper summarizing findings as part of a 4-student team.
- Intern, NASA STEM Enhancement in Earth Science Program** Jul. 2018
- Developed an astronaut training website using HTML on a student team mentored by NASA scientists.

SKILLS

Technical: CAD (Creo, Fusion 360), Programming (MATLAB, Python, Java, C++, HTML), GitHub, LaTeX, Microsoft Office

Design: Adobe Photoshop & Lightroom, Figma

Languages: French, Mandarin Chinese

ASSOCIATIONS

Princeton Rocketry Club (Test Stand co-Lead, Business Development Associate),
The Daily Princetonian (Head Photo Editor),
Society of Women Engineers, AIAA, Badminton Club