

Nicole Yeh

📍 Torrance, CA ✉ nicole.p.yeh@vanderbilt.edu ☎ (310) 429 9036 🌐 nicolepyeh.com

I am a third-year undergraduate studying Mechanical Engineering and Digital Fabrication with experience in computer-aided design, rapid prototyping, programming, and technical communication through individual projects. I am a positive problem-solver and quick learner seeking to gain real-world experience through a summer internship.

EDUCATION

Vanderbilt University 2021 – 2025 | Nashville, TN
Bachelor of Engineering, Mechanical Engineering
GPA: 3.05 | Relevant Coursework: Dynamics, Thermodynamics, Statics, Mechanics of Materials, Python

Da Vinci Science High School 2017 – 2021 | El Segundo, CA
Mechanical Engineering Pathway
GPA: 4.69, Rank 1/132 | Awards: High Honor Roll, National Merit Scholarship Winner, National Honors Society

SKILLS

Computer Aided Design SolidWorks (certified), Fusion360, AutoCAD, GD&T	Programming Python, MATLAB, LabVIEW
Design & Manufacturing Rapid Prototyping, CNC machining, iterative design	Communication Microsoft Office Suite, Microsoft Project

PROFESSIONAL EXPERIENCE

Lab Technician January 2022 – present | Nashville, TN
Vanderbilt University's Digital Fabrication Lab

- Constructing, maintaining, and troubleshooting four 3D printers to allow for 24-hour printing for 60 students
- Designing, prototyping, and manufacturing of custom fixturing plate & low-profile vise grips for CNC Mill
- Machine high-precision cell channels for biochemical research in collaboration with graduate student

Barista May 2021 – August 2022 | Torrance, CA
Starbucks

- Communicated complex orders as sole drive-through operator to complete \$600 per hour in sales
- Delivered high quality drinks and customer service alongside teammates during high-stress morning rush
- Boosted customer connection through personalized recommendations for new and established customers

Engineering Intern June 2020 – August 2020 | El Segundo, CA
Boeing Aerospace Company

- Collaborated with 3 interns to design, prototype, and pitch improved Boeing 737 Cargo Loading System
- Simulated product life cycle through market research, construction analyses, and professional interviews
- Presented product design to 20 Boeing executives and won Best Elevator Pitch Award out of 14 teams
- Wrote featured technical article, "A Satellite's Journey" for Boeing Internship Program Review

LEADERSHIP EXPERIENCE

Asian American Christian Fellowship April 2022 – present | Nashville, TN
Outreach Coordinator & Worship Leader

- Oversee the logistics, volunteer training, and procession of monthly school-wide events with 130+ attendees
- Provide the first form of contact for 70+ incoming students and ensure continued connection
- Cultivated a collaborative atmosphere, fostering unity and growth within the worship team during weekly rehearsals

First Robotics Competition Team 4201 March 2019 – May 2021 | El Segundo, CA
Systems Director

- Headed annual brainstorming/problem solving sessions to form robot priorities and kickstart design phase
- Connected with potential and established sponsors through bi-monthly progress reports and presentations
- Cultivated recruits' curiosity and learning by directing annual orientation and consecutive training sessions
- Named National Dean's List Finalist (2020) out of 50+ applicants from around the world