

Noah Truong

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Second year mechanical engineering student at UCLA that is deeply interested in STEAM based activities. Curious personality with a drive for problem solving. Very comfortable with team-based projects and leadership roles.

Skills and Interests

Skills: Solidworks, NX, Inventor, Fusion 360, 3D Printing, Java, C++, MATLAB, Python, Arduino, Robotics, Excel, PowerPoint, Photoshop, Illustrator

Interests: Cars, Gaming, 3D Printers, Arduino, Mountain Biking, Rock Climbing

Work Experience

Vehicle Engineering Intern | Northrop Grumman | 6/2020 – 9/2020

- Advanced data analysis and compilation of fault logs using Excel and PowerPoint
- Piloted knowledge sharing database of acceptance test procedures using Confluence
- Utilized MATLAB to create and unify tools for analyzing data
- Inventory tracking of crucial parts sent to subcontractor to be upgraded

Fab Lab Assistant | Northrop Grumman | 2/2019 – 8/2019

- Extended a Lulzbot 3D printer to print objects as tall as one meter
- Developed workflow for conversion of 2D logo to 3D printed and laser cut challenge coins
- Helped to plan, organize, and develop curriculum for UAV Academy, focused on teaching UAV building and flying to Japanese and American students

Intern | Incept 3D | 6/2018 – 8/2018

- Assembled, repaired, upgraded, and deconstructed industrial and hobbyist 3D printers to improve reliability and print quality
 - Implemented 12x faster solution for automatically rewriting EEPROM memory chips while simultaneously reducing human error
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Activities

Drivetrain Manufacturing Lead | Bruin Formula Racing | 4/2020 – Present

- Leading drivetrain redesign with eccentric differential mounts for 2022 Formula SAE (FSAE) competition
- Managing existing sub team member design projects for the FSAE car
- Educating new members about drivetrain subsystem – open vs. limited slip vs. locked differential

Drivetrain Subsystem Member | Bruin Formula Racing | 9/2019 – 4/2020

- Got hands on experience tearing down powertrain and drivetrain of a FSAE car
- Machined parts for welding jig using lathe

President and Team Captain | Sundevil Robotics | 5/2018 – 5/2019

- Led 20-person team to be ranked 9th in notoriously competitive San Diego Region in First Tech Challenge
 - Created complete CAD assemblies of robots totaling 150+ parts
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Education

BS, Mechanical Engineering | University of California, Los Angeles | 9/2019 – Present

- Expected graduation June 2023
- Nordson BUILDS Scholar, Dean's Honors List

High School Diploma | Mt. Carmel High School | 8/2015 – 6/2019

- 4.38 GPA weighted, 4.00 Unweighted