

OBJECTIVE

Seeking a summer internship with Planet Labs to build upon my mechanical design skills.

SKILLS

- Fabrication
 - CNC Mill Programming and Operation – Tormach PCNC 1100
 - Laser Cutting – LaserCMM 2410 and Universal Laser PLS4.75
 - 3D Printing – MakerBot Replicator 2, Type A Beta Series, Type A Series 1
 - Common Shop Tools (bandsaw, drill press, panel saw, soldering iron, chop saw)
- CAD: SolidWorks, Autodesk Inventor Professional, Adobe Illustrator; CAM: HSMWorks
- Programming: HTML/CSS/JS, WordPress, node.js, Python, Javascript, Lua, GitHub/Git, MySQL
- Basic Electronics and Arduino Experience
- Google Docs/Microsoft Office, Video Editing

EXPERIENCE

CNC Mill

- Aug. 2014 – Present. Designing and building a 3-Axis CNC Milling Machine capable of cutting aluminum, plastic, foam, wood, and other soft materials. Includes selecting linear motion systems, designing and machining custom components, and assembling motor driver boards.

FIRST Robotics

- Oct. 2014 – Present. **Build Captain.** Leading design of a mecanum drive train and anti-backdrive winch system for the 2015 FRC challenge. Teaching new members CAD and engineering skills, managing robot build timeline, and leading design discussions. Active member of CAD team.
- Aug. 2013 – October 2014. **Documentation Captain.** Primary designer of 2014 FIRST Robotics Competition robot. Assisted in writing award-winning business plan for the team.

Programming and Web Development

- LegitLy – School project to learn front-end web development and node.js. [Code available.](#)
- [TEDxYouth@Hillsborough](#) – Adapted existing WordPress theme and managed site.

TEDxYouth@Nueva

- Sept. 2013 – Present. **Lead Organizer.** Founded and led a TEDxYouth conference, now in its second year. Led team in speaker curation, logistics, and publicity. Attracted 100+ students from across the Bay Area in 2014, over 120 students in 2015 event.

Advanced Entrepreneurship Course

- Sept. 2014 – Present. Advanced class that centers around developing a business and financial model, generating a minimum viable product, and testing product assumptions.

Boy Scouts

Life Scout current working on Eagle Rank. 2014 Scout of the Year.

- Sept. 2013 – Jun. 2014. **Crew leader** on Philmont expedition, an 11-day, 75-mile backpacking trip in Northern New Mexico. Responsible for all aspects of trip planning and execution.
- Sept. 2013 – Jun. 2014. **Assistant Senior Patrol Leader.** Assisted Senior Patrol Leader in planning and running meetings, 2nd highest scout rank in troop of 120 members.

EDUCATION

Sophomore at The Nueva School, San Mateo, CA.

ACTIVITIES

Backpacking, environmental stewardship, track and cross-country, skiing, tinkering.