

bkleinp1@gmail.com

Profile Summary

A maker at heart with expertise in mechanical, manufacturing, electrical, and computer science. I combine technical skills with strong communication and leadership abilities. Known for my determination and creativity, I excel in dynamic settings, driving innovative solutions and thinking outside the box.

Professional Skills.

- Highly driven
- Creativity
- Problem-solving
- Strong work ethic

Technical Skills

- CAD (Solidworks)
- JS, Python, C++
- Manufacturing/CAM
- Linux
- PCB Design (Altium)

Education

BS Computer Engineering at Cal Poly San Luis Obispo

2023-2027

Hardware and software design, focusing on development and optimization of computing systems.

Relevant Experience

Cyber Security Research - Vivid Hosting LLC

2024- Present

- Developing software tools to assist penetration testing.
- Backend development of mobile communication infrastructure.
- Vulnerability research on multiple different software applications.

Lead Mechanical Engineer Robotics - High Tech High San Diego, Ca.

2019- 2023

- Competed in FIRST Robotics competition for 4 years.
- Oversaw three subsystems of around 40 students dedicated to designing, manufacturing, and assembling the robot.

Modal AI - Next Generation Robotics, San Diego, Ca. (Internship)

2022- 2022

- Part of the manufacturing team assembling drones with enhanced computer vision.
- Designed robotics to streamline drone assembly processes, boosting efficiency.

Owner & Operator of 3d Printing Farm, San Diego, Ca.

2020- 2022

- Supplied local businesses with 3d printed Personal Protective Equipment (PPE) during the pandemic
- Repaired and maintained a fleet of 3d printers operating 24/7

Work Experience

Independant Tech Support

2019-2023

- Ran a sole proprietorship tech support business, building a solid client base through basic advertising, high quality work, and referrals.
- Provided expert tech support and guidance, improving customer understanding and usability

Window Washing

2021 - 2023

- Developed door-to-door sales skills by promoting window cleaning services.
- Provided high-quality customer service and reinforced quality standards for my team.