

JONATHAN MAYE

PLTW ENGINEERING STUDENT

2025 RESUME



704-960-3770



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Huntersville, NC 28078

Goal

Has a passion for engineering and solving real world issues. Aiming to go to graduate school to obtain a PHD related to Electronic, Software, and Mechanical engineering. Planning to go into a career, focused on the development of new and revolutionary technology to help society.

SKILLS

- Computer-Aided-Design (CAD/3D modeling) (Onshape, Blender)
- Part 107 Professional UAS Remote Pilots license
- PCB/Schematic design
- Programming (Python, Arduino IDE, C++, SQL)
- Maintenance and repair (3D printers, computers, CNC machines, etc)
- Understanding of electrical and mechanical engineering principles
- Customer service and communication skills
- Graphic design/visual communication (Adobe Photoshop, InDesign, Illustrator, Premiere Pro) with certifications.
- Basic Spanish speaking/reading proficiency
- Critical thinking/problem-solving abilities with an innovative mindset
- Attention to detail and accuracy

EXPERIENCE

MAIF "Kids Work" Program Intern - Engineering Intern
Keller Technology Corporation - Huntersville, NC
June 2025 - August 2025,

- Supported design, testing, and assembly of precision machinery, including Thermo Fisher Helios electron microscopes, utilizing PLC logic controllers and SOP's.
- Applied GD&T principles, created and modified CAD models in SolidWorks, and reviewed technical drawings.
- Gained experience applying Lean, Six Sigma, and Just-in-Time principles.
- Managed project data, technical documentation, spreadsheets, and BOM transmittals.

LNED Pivot Program Intern - Engineering Intern
First Turn Innovations - Huntersville, NC
June 2023 - August 2023,

- Assisted with Printed Circuit Board (PCB) Design and assembly
- Developed low-level and high-level Software and Firmware for Microcontrollers, Embedded Systems, and Android devices.
- Improved CAD development for mass production of metal parts.
- Engineered a prototype laser wheel alignment tool and aided in the development of several other unique electronics for NASCAR teams to use to collect useful data for their vehicles.

EDUCATION

Hopewell High School - GPA: 4.375

Class of 2026

August 2022 - Expected May 2026,

- Completed several STEM classes like PLTW(Project Lead The Way) Introduction to Engineering Design, PLTW Computer Aided Manufacturing, PLTW Engineering Design and Development, Introduction to Adobe Applications (graphic design), and Business Essentials.
- Actively participating and collaborating with students in the ACE (Architecture Construction Engineering) Leadership Program as an extracurricular club.

ACHIEVEMENTS & AWARDS

- **Carolina Panthers Stadium of the Future STEM Challenge**
 - - 2022 (Winner) - 2023 (1st runner up) - 2024 (Winner)
 - Due to the efforts of each member, our team won the STEM challenge and a check of \$5,000 for Hopewell High School. Several high schools were tasked to create a model NFL-style football stadium for their school that was designed with the Idea of using sustainable energy, cutting-edge technology, and keeping in mind how the fan experience would be. Using computer-aided design and knowledge in programming, the team developed a flood light that used solar energy to provide light to the stadium, while also using motors to allow the solar panels to track and follow the sun, further improving efficiency.
- **Striving for Excellence Award in Engineering & Outstanding Achievement in Earth Science.**
 - Hopewell High School - 2022-2023 school year
 - Achievements given to one student each year based on academic skill and achievement.
- **PLTW Community Impact Award.** Hopewell High School - 2024-2025 school year
 - National recognition for innovation beyond the classroom