

Klay Adams

Amarillo, TX | 806-420-1441 | klayaa@me.com

EDUCATION

AACAL - Amarillo High School

STEM focused High School Diploma

- 3.97 GPA, Engineering Work Study Program, AP Ambassador, and More

Amarillo, Texas

August 2016 – May 2020

Texas Tech – Edward E. Whitacre Jr. College of Engineering

Bachelor of Science in Computer Engineering

- 3.52 GPA, Minor in Mathematics, IEEE

Lubbock, Texas

August 2020 – Expected May 2023

WORK EXPERIENCE

Textron - Bell Flight

Manufacturing Engineer Intern

- Identified Opportunities to implement changes to improve products or reduce costs using knowledge of fabrication processes, tooling, and production equipment, assembly methods, quality control standards, or product design, materials, and parts.
- Determined root causes of failures using statistical methods and recommended changes in design, tolerances, or processing methods, through changes to manufacturing planning.
- Displayed extensive knowledge in relevant software and a familiarity of manufacturing equipment.

Amarillo, Texas

August 2019 – March 2020

Texas Tech University – Electrical and Computer Engineering Department

ECE Stockroom Employee

- Facilitated in the ordering and selection of electrical components to help students in their undergraduate projects in the electrical engineering department.
- Developed proper methods of giving component recommendations and a greater understanding of ordering and fulfillment in an engineering setting.

Lubbock, Texas

August 2022 – Present

LEADERSHIP EXPERIENCE

PLTW Engineering Leadership Opportunities

Student

- Took lead in a classroom setting solving multi-disciplinary projects with peers in the field of engineering.

Amarillo, Texas

August 2016 – May 2020

Personal and Community Engagement Helping those with Special Needs

Brother and Community Member

- Provide summer and afterschool childcare for my sibling with Down syndrome.
- Volunteer with the Panhandle Down Syndrome Guide organizing events and community activism.
- Helping with local Special Olympics and kids' inclusion sports.

Amarillo, Texas

Long-Term

SKILLS & CERTIFICATIONS

Skills: Python and C++ programming skills, SPICE circuit modelling skills, Verilog hardware description language, extensive computer technology and network systems knowledge, Windows, Linux, and macOS operating system proficiency, technical writing skills, documentation and technical drawing creation and comprehension skills, computer and mobile phone repair, and 3D printing and manufacturing at a hobby scale.

Certifications: OSHA Work Certified and Autodesk Inventor Software Certification.

PERSONAL PROJECTS & RESEARCH

Projects: Raspberry Pi controlled vivarium with plants and tree frogs, modifying of vintage 8-bit computers to work with modern SD cards, designing a USB-C to PS2 keyboard adapter to work with modern systems, creating smart presence detection sensors to integrate within existing smart home infrastructure, and integration of long-range radio time of flight circuitry in the hobbyist radio space with nanosecond accuracy.