

ALEJANDRO DIAZ PAREDES

(719) 510-1818

alexldiaz0923@gmail.com

Colorado Springs, CO 80916

SUMMARY

Bachelor of Science in Computer Science graduate with a concentration in Software Engineering. I aspire to secure an entry-level position in an industry-related field, particularly in software development.

EDUCATION

University of Colorado at Colorado Springs

May 2025

- Bachelor of Science in Computer Science
 - Software Engineering, Accreditation Board for Engineering and Technology (ABET)
-

WORK EXPERIENCE

Mikron Automation — Englewood, CO, 80122

May 2024 - August 2024

Controls Engineer Intern

- Acquired proficiency in **ladder logic programming**, enabling the development of automated machines with intricate systems. Closely followed Rockwell programming standards and heavily used **virtual machines** as part of my workflow.
- My professional endeavors allowed me to connect with various different teams on the job site. Worked with both Mechanical and electrical engineering teams to verify installed IO devices.

University of Colorado at Colorado Springs — Colorado Springs, CO, 80918

Sept 2023 - May 2025

Information Technology Technician I

- I learned how to use a **Cherwell ticketing system** to help resolve problems for students and professors of the university. I worked with **Azure** for user management, **Active Directory administrative tools** to verify if devices exist on the network, and identified threats using a **Microsoft authentication** system called **Intune**.
 - My professional responsibilities had a significant impact on the entire university community, involving the resolution of approximately 20 service tickets on a daily basis.
-

SKILLS

- Solid understanding of **Object Oriented Programming**, and “software as a service” concepts using **Agile**.
 - (Tools) **Git** Command Line Interface, GitHub
 - (Languages) Python, HTML, CSS, JavaScript, C, C++, Java
 - (Frameworks) React, Django, Rest, PyOpenGL
-

PROJECTS

Event Horizon Website (Python, HTML, CSS, Javascript)

Term Project

- This was a project requested by a client to create a web app that allowed them to find and experience nearby celestial events.
- The primary objective of the project was to establish a comprehensive understanding of the Software as a Service (SaaS) **lifecycle** through the application of **Agile** methodologies.
- Another primary objective was to acquire proficiency in executing **unit tests and integration tests**.

OpenGL 3D Object Viewer (Python)

Term Project

- This is a simple engine that can import .obj formatted files and .mtl textures to be observed in a digital space.
- The main focus of this project was learning how to use OpenGL to handle linear algebra operations.
- I also learned how to use other Python extensions to achieve desired functionality for my project.

Donations Manager for Charitable Organizations (C)

Term Project

- Implemented a menu system for a charitable organization to record and access donated funds.
- The system uses linked lists and structures to dynamically allocate memory to create charities or donors.
- I learned how to use linked lists to dynamically attach nodes in a list and stack operations.

3D Printing Business Expenses (C++)

Personal Project

- I needed a way to sum and record all of my expenses for my small business.
 - This terminal application prompts the user to enter as many expenses as needed, and writes them to a file.
 - I learned a lot about reading and writing from files using libraries such as **fstream** in C++.
-