

Sebastian Melendez

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WORK EXPERIENCE ❖ <https://gitlab.com/sebastianmelendez6>

SimCity Project

This C++ program simulates the growth of a city, including the establishment of residential, commercial, and industrial zones, as well as how pollution impacts overall development. It contains several .cpp and .h files.

Rock Paper Scissors Algorithm Project

The program written in C++ establishes intelligent agents that compete in 1000 rounds of rock paper scissors using two algorithms to determine the winner.

Bank Account Simulation

The C++ application is a simulation of a real-life bank account, with the ability to withdraw, deposit, and determine balance.

Shell Program

Collaborated with a team to develop a shell in C, implementing features such as the change directory command piping, and signal handling.

Color Blindness Chrome Extension

Collaborated with a team to develop a Chrome Extension called Hue Haven, designed to enhance browsing experiences for users with various types of color blindness.

Nebraska Furniture Mart Inc.

07/2019 – 06/2023

Customer Pickup Specialist

The colony, TX

Utilized POPs, a transaction management computer program, for processing return sales, while also engaging in heavy lifting and loading tasks to facilitate product handling and customer service operations.

EDUCATION

University Of North Texas
B.S. in Computer Science

05/2025
Denton, TX

Collin College
A.A. in general studies

05/2022
Plano, TX

SKILLS

- C++
- Java / JavaScript
- Fluent Spanish
- Kubota Utility Vehicle Operation
- Forklift Operation
- Proficient in operating trailers for material transport to construction sites
- SQL
- HTML and XML