CARLOS RAMIREZ

Springville, UT 84663 • (801) 921-9616 • cgr-20.github.io/portfolio/

Professional Summary

Experienced with software development and proficient in designing and implementing efficient code. Utilizes programming skills to solve complex problems and improve software functionality. Track record of applying detailed knowledge to create user-friendly applications and enhance system performance.

Education and Projects

Bachelor of Science: Computer Science, December 2024

  UTAH VALLEY UNIVERSITY – OREM, UT

Online Store Website Project

  Designed navigation bar with functional buttons and created form elements with restrictions (checkboxes, dropdown menus, etc.)

Compiler Project

  Designed and implemented custom compiler for KXI, a simplified Java-like language. Used ANTLR for parsing and AST generation, and implemented lexical analysis, semantic checking, and code generation

SQLite Database Project

  Designed and implemented a relational database with optimized SQL queries and CRUD operations to manage data efficiently.

Skills

- Object-oriented programming
- SQL integration
- Software development
- Git proficiency
- Testing and debugging
- Problem-solving
- Programming proficiency in C, C++, C#, Java, Python, HTML, CSS, JavaScript, React, SQL

Work History

Shipping Assistant, 06/2019 to 08/2019

Young Living Essential Oils – Spanish Fork, UT
- Collaborated with a team to package and ship customer orders accurately and on time, ensuring smooth daily operations.
- Adapted quickly to changing priorities in a fast-paced warehouse environment while following detailed instructions.

STEM Ambassador, 08/2016 to 05/2017

Springville High School – Springville, UT
- Taught middle school students basic C#, a well-known programming language, in a team setting, simplifying complex ideas into approachable lessons.
- Worked collaboratively with peers to design lesson plans and adapt instruction to student needs.