

PROFESSIONAL SUMMARY

Motivated Computer Science student with hands-on experience in coding, software projects, and technical troubleshooting. I am eager to apply knowledge in a practical environment and grow through new challenges. Available for internships or full-time roles starting December 2024.

TECHNICAL SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, Java, Python, C, SQL
- **Frameworks & Libraries:** React, Express.js, Node.js
- **Databases & Tools:** MySQL, MongoDB, Blender
- **Software Development Practices:** Agile methodologies
- **Version Control:** Git, GitHub

PROJECTS

Maze Chaser

Technologies: JavaScript, HTML, CSS, Bootstrap

- Designed a maze-based chasing game inspired by classic arcade mechanics, using object-oriented programming principles.
- Implemented Breadth-First Search (BFS) to control the AI character's movement, allowing it to dynamically chase the player when within range.
- Utilized HTML, JavaScript, and CSS to build game mechanics, animations, and a responsive browser-based interface.

Portfolio Website

Technologies: MongoDB, React, Express.js, Node.js (MERN Stack)

- Implemented a full-stack portfolio website with user authentication and role-based access control (admin vs. regular users).
- Connected the website to a MongoDB database to store and retrieve user information and posts dynamically.
- Applied RESTful API principles for backend communication and ensured secure data transmission.
- Developed modular front-end components using React hooks, improving maintainability and scalability.

Client-Server Communication System

Technologies: C, Linux (POSIX)

- Developed a client-server simulation to study operating system concepts, using named pipes (FIFOs) to enable message passing between multiple clients and a server.
- Implemented a message queue, allowing clients to send and receive messages with proper acknowledgment handling.

Lexical Analyzer & Recursive Descent Parser

Technologies: C

- Built a lexical analyzer to tokenize input code by identifying keywords, operators, and variables.
- Implemented a recursive descent parser to validate syntax and ensure compliance with predefined grammar rules.
- Handled conditional statements, loops, and assignments effectively, providing real-time error feedback.

WORK EXPERIENCE

Computer Lab Assistant, University of Houston – Clear Lake

Sep 2021 - Present

- Provided technical support to students via phone, email, and in-person assistance.
- Managed the setup, configuration, and troubleshooting of printers, computers, and lab equipment.

EDUCATION

The University of Houston – Clear Lake | Houston, TX

Jan 2021 - Dec 2024

Bachelor of Science in Computer Science | Cumulative GPA 3.53/4.0

San Jacinto Community College | Houston, TX

Aug 2018 - Dec 2020

Associates of Science in Computer Science | Cumulative GPA 3.70/4.0

Dean's Honor List: 2018, 2019, 2020