

Logan Dixon

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EDUCATION

University of Las Vegas, Nevada

Bachelor of Arts in Computer Science

January 2022 - Present

GPA 3.2

TECHNICAL SKILLS

Language: C++, HTML/CSS, Javascript, SQL

Certificates: *CodewithMosh Javascript, CodewithMosh HTML/CSS*

Tools: Visual Studio Code, Xcode, Google Suite, Microsoft Office, R Studio

Personal Skills: Problem-solving, Excellent Public Speaker, Flexibility, Communication Skills, Team Player

RELATED COURSEWORK

Introduction to Computer Science I (C++): Problem-solving methods and algorithm development in a high-level programming language. Program design, coding, debugging, and documentation using techniques of good programming style.

Calculus I and II: Further applications and techniques of integration, including integration by parts, sequences, and series, and polynomial approximations.

RELEVANT EXPERIENCE

IT Intern, Southern Nevada Regional Housing Authority

June 2024-August 2024

- Led the successful revamp of the SNRHA website using Visual Studio Code and SharePoint, enhancing user experience, functionality, and accessibility through strategic UI/UX improvements and technical optimizations
- Learned the basics of SQL while leveraging Microsoft SQL Server Management Studio (SSMS) to efficiently extract and analyze data from established company databases.
- Installed, configured, and updated software applications on workstations.

Programmer Intern, Strong Future Technology Center

May 2024 -Present

- Oversees project and event planning for the Center (Cox Innovation Lab) at the Historic Westside School
- Responsible for creating websites and projects using HTML, CSS, and JavaScript to educate and teach to the youth.
- Organized and conducted community workshops on coding languages including HTML, CSS, C++, and Javascript, fostering interest and enhancing coding skills within the community.

Mentor, Code E Locs

July 2023 - Present

- Mentor children from the ages of 5-12 learn the basics of coding twice a month
- Facilitated the development of young learners' interest and proficiency in coding.
- Provided personalized technical instruction and guidance, facilitating their understanding of programming concepts and languages such as HTML/CSS and Javascript

PROJECTS

Portfolio (HTML, CSS, Javascript)

- Developed a personal portfolio website to showcase my resume, projects, and technical skills.
- Designed and implemented a responsive layout ensuring the website is more accessible on various devices and screen sizes.
- Created an intuitive navigation system to enhance user experience, allowing visitors to browse through different sections of the portfolio easily.
- Integrated interactive elements such as modals, carousels, and smooth scrolling to make the website more engaging.

Making a Receipt with calculations for cash/card (C++)

- Developed a C++ program to generate receipts, incorporating item entry, total cost calculation, and payment processing.
- Promoted users for item names, prices, and quantities using for loops to handle multiple items efficiently.
- Used a switch statement to handle different payment methods (cash or card).
- For cash payments, calculated the change due, using if statements, ensuring sufficient funds were tendered.

Snake Game (Javascript)

- Developed the game using JavaScript, HTML5, CSS3
- Implemented snake movement, food consumption, and collision detection for both self-collision and wall-collision.
- Created a dynamic scoring system that updates based on the snake's length, and displays the current score on the game interface and keeps track of high score

INVOLVEMENT

Treasurer, Habesha Student Association (HSA)

January 2023 - Present

- Adjusts, create and maintain the budget of \$20,000 as needed throughout the year
- Present the financial status of the club at meetings.