RYAN ANDERSON

ryananderson2727@gmail.com • (708) 712-1322 • Homer Glen, IL • https://randerson2720.github.io/Portfolio-Website/

HIGHLIGHTS OF QUALIFICATIONS

- Proficient in a wide range of operating systems and programming languages, including Windows, Linux, C, Java, Python, and more.
- Strong web development skills, with expertise in HTML, CSS, JavaScript, and various web development frameworks and tools.
- Extensive academic background with a Bachelor of Science in Computer Science and Computer Engineering, consistently achieving a GPA of 3.69.
- Proven experience as a Research Assistant in software development, collaborating on dynamic web projects and demonstrating adaptability in remote work environments.
- Effective leadership and communication skills developed through tutoring, mentoring, and serving in roles of responsibility in both academic and banking settings.

TECHNICAL QUALIFICATIONS

Operating Systems

- Windows, Linux, Unix, MacOS, IOS, Android, VirtualBox

Programming Languages

- C, Java, Python, SQL, JavaScript, Swift, Assembly

Web Development

- HTML, CSS, JavaScript, Bootstrap, WordPress, Python-Django, Python-Flask, Node.js, Microsoft Azure

Databases

- JSON, XML, MySQL, NoSQL, SQL Server, Mongo-DB

Development Management Tools

- Git, GitHub

EDUCATION

Lewis University — Romeoville, IL

Bachelor of Science in Computer Science — GPA: 3.69 — December 2023

Bachelor of Science in Computer Engineering — GPA: 3.69 — December 2023

Moraine Valley Community College — Palos Hills, IL

Associate of Science — December 2020

EXPERIENCE

Lewis University — Romeoville, IL

Research Assistant – Software Development — August 2022 – Present

- Developed a dynamic webpage using JavaScript, Node.js, HTML, and CSS to facilitate seamless communication and resource sharing among lab groups within a smart classroom environment.
- Collaborated closely with fellow research assistants to brainstorm ideas, implement features, and troubleshoot technical challenges, fostering a collaborative and innovative work atmosphere.
- Engaged in effective communication with the researching professor, providing regular updates on project progress, discussing design decisions, and incorporating feedback to ensure project alignment with goals.
- Demonstrated adaptability by smoothly transitioning between in-person and remote collaboration modes, ensuring consistent project advancement regardless of the work environment.
- Extended the functionality of the smart classroom initiative by creating a user-friendly desktop application using Python and Django, delivering the same intuitive interface and features as the webpage for optimal accessibility.

Lewis University — Romeoville, IL

Engineering Assistant — August 2023 – Present

- Tutored fellow students in various engineering subjects, enhancing their understanding and contributing to their academic success.
- Assisted peers in project development and programming tasks, fostering collaborative learning, and achieving project milestones.
- Provided valuable support to department professors by conducting research, preparing instructional materials, and assisting with administrative tasks.
- Facilitated workshops and study sessions, helping students grasp complex engineering concepts and improve problem-solving skills.

- Collaborated with faculty members to organize and execute department events, promoting a thriving engineering community and networking opportunities.

Huntington Bank Orland Park, IL
Senior Teller September 2018 – November 2021

- Assumed supervisory responsibilities, overseeing daily operations, managing cash drawer reconciliation, and providing guidance to junior tellers.
- Collaborated closely with the team to ensure a smooth workflow, assisting colleagues with escalating customer issues, and offering training on new procedures.
- Actively participated in team meetings and contributed insights that improved customer service strategies and streamlined operational processes.

TCF Bank Orland Park, IL
Relationship Banker September 2018 – November 2021

- Demonstrated exceptional sales skills, consistently exceeding monthly targets by cross-selling financial products and services to customers.
- Provided outstanding customer support for online banking, resolving inquiries and technical issues promptly to enhance user experience.
- Expertly conducted account opening processes, guiding clients through required documentation, and explaining account features and benefits.
- Fostered strong customer relationships by actively listening to their financial needs, offering tailored solutions, and addressing concerns effectively.

HONORS AND AWARDS

- Dean's List, Lewis University, five semesters
- Recipient, Lewis University, Academic Achievement Scholarship – Transfer
- Nominated for NSLS, Lewis University, five semesters

PROJECTS

Python Web Scraper Personal Project

- Developed an innovative Python script that utilizes web scraping techniques to automatically gather information from popular streaming platforms like Netflix, Hulu, and HBO Max when media content is viewed. The script extracts pertinent details, including media titles, descriptions, and release dates. The gathered data is meticulously organized and compiled into a structured Excel spreadsheet, showcasing proficiency in web scraping, data extraction, and data organization for efficient tracking of watched media across platforms.

Playlist Converter Personal Project

- Crafted a versatile Python playlist converter application that seamlessly migrates playlists between YouTube and Apple Music platforms. Leveraged the YouTube and Apple Music APIs to fetch and import playlist details, allowing users to effortlessly recreate their curated collections across platforms. This project showcased expertise in API integration, data manipulation, and user-focused application design.

Blackjack Card Game Personal Project

- Developed a complete Blackjack game using Python, featuring an AI opponent that employs strategic decision-making based on the game state. Implemented core game mechanics including card dealing, player decisions, and win conditions, showcasing proficiency in object-oriented programming and game logic design.

Digital Alarm Clock Project at Lewis University

- Designed and constructed a fully functional digital alarm clock from scratch, incorporating 7-segment displays and microchips. The project involved creating a custom circuit layout to drive the displays and interact with microchips, enabling timekeeping and alarm functionality. The clock's operation was programmed using C code, encompassing functionalities such as time display, alarm setting, and alarm triggering. This project underscored a combination of hardware design skills, microcontroller programming, and electronic circuitry expertise to deliver a comprehensive digital alarm clock solution.

Web based Snake Game Personal Project

- Conceptualized and developed an immersive Snake game using HTML, JavaScript, and CSS, translating game mechanics into a captivating user experience. Demonstrated proficient front-end web development skills, resulting in a browser-based gaming masterpiece that engaged players with its interactive design and dynamic gameplay.