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, MacOS, IOS, Android, VirtualBox

Programming Languages

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

Web Development

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

Databases

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

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

Amplified Transactions — Lockport, IL

Contract Software Developer — December 2023-Present

- Worked closely with the business owners to identify requirements and devise tailored solutions, ensuring the custom scripts and portal's features align perfectly with the business's objectives and needs.
- Developed and implemented a tailored solution for a small business, enhancing email communication and integrating with Google Cloud to overcome Airtable's JavaScript limitations.
- Created a unique function to efficiently fetch email draft templates from Airtable, streamlining company-wide communication processes.
- Automated the process of sending draft IDs back to the company's Airtable, significantly enhancing operational efficiency and enabling the use of Gmail APIs for sending actual emails.
- Developed a custom employee portal integrating Google OAuth2 for secure authentication, enabling streamlined employee logins and enhanced security measures. Utilized a robust stack including JavaScript, React, Node.JS, HTML, CSS, and Bootstrap to create a responsive and efficient employee portal.
- Designed and developed a user-friendly interface for the PostgreSQL database, improving accessibility and user experience.
- Spearheaded the entire development process from conception to deployment, ensuring adherence to best practices in coding and design.
- Implemented functionality for creating and sending Gmail drafts automatically, leveraging data extracted from a custom PostgreSQL database.

Lewis University — Romeoville, IL

Research Assistant – Software Development — August 2022 – December 2023

- 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 – December 2023

- 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.

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.

HONORS AND AWARDS

- Dean’s List, Lewis University, five semesters
- Recipient, Lewis University, Academic Achievement Scholarship – Transfer
- Nominated for NSLS, Lewis University, five semesters
- Fall 2023 Senior Department Award for Computer Engineering – Faculty Nominated
- Senior Honors Certificate – Computer Engineering, Senior Honors Certificate – Computer Science

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.

Digital Alarm Clock Project at Lewis University

- Engineered a digital alarm clock using 7-segment displays and microchips, featuring a custom circuit layout for display and timekeeping functionalities. Programmed the clock's operation in C, encompassing features like time display, alarm setting, and triggering, showcasing a blend of hardware design, microcontroller programming, and electronic circuitry skills.