

Justin Scott

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RN, BSN & Junior Computer Engineer

Innovative Junior Computer Engineer with a unique background as a BSN Nurse, blending technical expertise in software development with exceptional problem-solving and interpersonal skills gained in healthcare. Proven ability to leverage analytical thinking and a patient-centered approach to drive technology solutions that improve healthcare outcomes. Eager to contribute a diverse skill set and a passion for healthcare technology innovation to develop user-centric software solutions.

Skills

Java | C/C++ | HTML | CSS | JavaScript | Bootstrap | SQL | .NET | jQuery | Web Development | GitHub | Server Management (MongoDB, Oracle, Apache, etc.) | SQL and Database Management | Data Structures & Algorithms | Microsoft 365 | Mathematics (Calculus, Stats, Physics, and Economics) | Computer organization | Embedded Systems (Vivado & Arduino) | Cybersecurity | Scheduling | Medical Terminology | 10-Key | Customer Service | Telemetry | Critical Care | Medical & Surgical Care | Catheterization (IV/Urinary) | NG tube insertion/removal/care | PEG/ostomy care | Wound care | Bedside Monitoring | Drug Oversight | Organization & Prioritizing | Problem-Solving | Team Leadership | Time management | Strong clinical judgment | Patient Assessment | BLS | ACLS | PALS

Projects

Project: Online Interactive Resume

Technologies Used: HTML5, CSS3, JavaScript, jQuery, Bootstrap

Project URL: [Resume](#)

Project Overview:

Developed a responsive and interactive online resume to showcase professional experiences, skills, and portfolio projects. The project emphasizes modern web development practices, including responsive design, interactivity, and performance optimization.

Responsibilities:

- Designed the website layout and user interface using HTML5 and CSS3 for a visually appealing and intuitive user experience across various devices and screen sizes.
- Implemented JavaScript to add dynamic functionalities such as modal windows for detailed project views, form validation, and content toggling for a more interactive user experience.
- Ensured the website was SEO-friendly by employing semantic HTML, optimized meta tags, and alt attributes for images, enhancing search engine results visibility.
- Integrated a responsive design with media queries to accommodate different devices, ensuring a consistent and accessible user experience.
- Optimized website performance through image optimization, minifying CSS and JavaScript files, and leveraging browser caching techniques.
- Conducted thorough testing for cross-browser compatibility and responsiveness to ensure functionality across significant web browsers and devices.

- Deployed the website using GitHub Pages, implementing best practices for security and efficient load times.
- Includes bootstrap elements and jQuery techniques.

Achievements:

- Successfully developed a fully functional online resume, significantly increasing professional visibility and network engagement.
- Received positive feedback from peers and industry professionals for the website's design, usability, and content organization.

Project: Simon Game

Technologies Used: HTML5, CSS3, jQuery, JavaScript.

Project URL: [Simon](#)

Project Overview:

Recreated the classic Simon game as a web application to demonstrate proficiency in front-end development and interactive design. The project focuses on delivering a seamless and engaging user experience, leveraging HTML5, CSS3, jQuery, and JavaScript to mimic the game's traditional functionality with a modern twist.

Responsibilities:

- Utilized HTML5 to structure the game's interface, ensuring semantic and accessible markup.
- Applied CSS3 for styling, introducing animations and transitions to create a visually appealing experience that closely mimics the original game's look and feel.
- Leveraged jQuery and vanilla JavaScript for game logic, including sequences generation, user input handling, score tracking, and game state management, to create an interactive and responsive gameplay experience.
- Implemented sound effects using JavaScript to enhance user engagement and mimic the auditory feedback of the original game.
- Using CSS media queries, we ensured the game's responsive design across various devices and screen sizes, providing a consistent experience for desktop and mobile users.
- Optimized the application for performance and speed, ensuring quick load times and smooth animations across platforms.
- Conducted cross-browser testing to guarantee functionality and appearance consistency across significant web browsers.

Achievements:

- Successfully developed and deployed a fully functional recreation of the Simon game, accessible online and enjoyed by users worldwide.
- Achieved a seamless user experience that combines nostalgia with modern web standards, receiving commendable feedback for interface design and gameplay fluidity.
- Demonstrated advanced proficiency in using jQuery alongside vanilla JavaScript to efficiently manage complex game logic and interactive elements.

Project: Bonus Eligibility Gmail Reminder Script

Technologies Used: Python, SMTP Library

Project URL: [Bonus Reminder Script](#)

Project Overview:

Developed an automated script in Python to send Gmail reminders to managers regarding their team members' bonus eligibility. This project aimed to streamline the process of bonus distribution by ensuring timely notifications and enhancing the efficiency of the HR and management teams.

Responsibilities:

- Designed and implemented a Python script that automatically queries an excel spreadsheet to compare and automatically send a reminder email with the name.
- Utilized the SMTP library in Python to send customized email reminders to managers with details about their team members' bonus eligibility status.
- Integrated logic to categorize employees based on eligibility criteria and generate tailored email content with personalized instructions for each manager on the next steps.
- Scheduled the script to run at specific intervals (e.g., monthly or quarterly) ahead of the bonus distribution period, using cron jobs or a similar task scheduler.
- Implemented error handling to manage server downtime or connectivity problems, ensuring the script runs smoothly and reliably.
- Included logging functionality to track the script's execution status and any anomalies encountered during its run, facilitating easy troubleshooting and maintenance.
- Conducted rigorous testing to ensure accuracy in the eligibility determination process and the reliability of email delivery.

Achievements:

- Successfully automated the bonus eligibility notification process, reducing the HR department's manual effort by 32% and ensuring managers receive timely updates.
- Enhanced the transparency and efficiency of the bonus distribution process, leading to improved satisfaction among managers and team members.
- Demonstrated the ability to leverage Python to solve real-world business problems, showcasing automation, database management, and email communication skills.

Experience

SCA | Orlando, FL

Registered Charge Nurse (BSN-RN)

01/2022 - Present

- Performed in PACU and Pre-Op unit for patients undergoing GI, General, Neurology, Urology, GYN, ENT, Orthopedic, and Cosmetic surgical procedures.
- Performed post-operative patient assessment, review of history, discharge planning, and review of diagnostic studies with appropriate follow-through and physician/surgeon consultation.
- Managed post-operative pain and wound care
- Educating patients as needed on conditions, procedures, and medications.
- Preparing and administering prescribed medications

- Paper/computer charting on patients.

Gulf Breeze Hospital | Gulf Breeze, FL

Registered Nurse (BSN-RN)

09/2021 - 01/2022

- Preparing and administering prescribed medications
- Assessing patient needs and conditions at the bedside.
- Assessing and reviewing vital signs and lab results
- Admitting and discharging patients to/from the unit
- Educating patients as needed on conditions, procedures, and medications.
- Discussing and adjusting the plan of care with physicians
- Step-down telemetry experience

Oviedo Medical Center | Oviedo, FL

11/2023 - 01/2024

Surgical RN (BSN-RN)

- Performed in PACU and Pre-Op unit for patients undergoing GI, General, Neurology, Urology, GYN, ENT, Orthopedic, and Cosmetic surgical procedures.
- Performed post-operative patient assessment, review of history, discharge planning, and review of diagnostic studies with appropriate follow-through and physician/surgeon consultation.
- Assessing and reviewing vital signs and lab results

***Further Experience Provided Upon Request**

Education

Bachelor of Science in Computer Engineering
Florida International University

Current

University of West Florida
Bachelor of Science in Nursing
Minor in Computer Science

08/2021

Socials and Links

GitHub: [murseCode](#)

LinkedIn: [Justin Scott](#)