

Justin Scott

Orlando, FL | (850) 461-2449 | justinscott2449@gmail.com

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

- Coordinate daily surgical schedules, ensuring efficient use of resources and adherence to patient schedules.
- Lead and mentor nursing staff, promoting a culture of excellence in patient care and professional development.
- Deliver comprehensive patient care in pre- and post-operative settings, focusing on patient safety, comfort, and education.
- Participate in quality improvement initiatives to enhance patient outcomes and operational efficiency.

- Manage inventory of surgical supplies and equipment, ensuring readiness for all procedures while optimizing costs.
- Ensure compliance with healthcare regulations and standards, maintaining high levels of patient care and safety.
- Collaborate with surgeons, anesthesiologists, and healthcare professionals to meet pre-operative requirements and optimize patient care.
- Conduct team meetings and performance evaluations, identifying areas for improvement and recognizing achievements.
- Implement and adhere to infection control policies and patient satisfaction initiatives.
- Negotiate with vendors to maintain supply levels and manage surgical center costs.
- Provide comprehensive nursing care to patients in the preoperative phase, preparing patients for surgery by completing pre-surgical assessments, administering pre-medication, and educating patients and their families about the surgical process and postoperative care.
- Monitor patients' vital signs, assess levels of consciousness, and manage pain levels effectively in the Post-Anesthesia Care Unit (PACU), ensuring a safe and comfortable recovery from anesthesia.
- Respond to emergencies in the PACU, providing rapid assessment and initiating critical interventions as necessary to stabilize patients.

Gulf Breeze Hospital | Gulf Breeze, FL

Registered Nurse (BSN-RN)

09/2021 - 01/2022

- Provide comprehensive nursing care to patients in a high-acuity medical-surgical telemetry unit, including monitoring vital signs, administering medications, and performing patient assessments.
- Utilize telemetry equipment to continuously monitor patient cardiac status, interpreting data and responding to arrhythmias or changes in vital signs promptly.
- Collaborate with interdisciplinary healthcare teams to develop and implement individualized care plans based on patient assessments and diagnostic results.
- Educate patients and their families on disease processes, medical procedures, and medication management, ensuring a clear understanding of discharge instructions for home care and follow-up.
- Participate in rounds with physicians and other healthcare professionals, offering insights from nursing assessments and patient observations to inform treatment decisions.
- Implement infection control measures and adhere to hospital protocols to maintain a safe and clean environment for patients and staff.
- Act as an advocate for patient needs, ensuring that patients receive compassionate and culturally sensitive care.
- Manage multiple patients simultaneously, prioritizing tasks and efficiently allocating time to ensure that all patients receive appropriate care.
- Document all patient care activities accurately and comprehensively in electronic health records, maintaining confidentiality and compliance with HIPAA regulations.
- Engage in continuous education and professional development opportunities to stay current with best practices in nursing care and telemetry technology.

Oviedo Medical Center | Oviedo, FL

Surgical RN (BSN-RN)

11/2023 - 01/2024

- Provide comprehensive nursing care to patients in the preoperative phase, preparing patients for surgery by completing pre-surgical assessments, administering pre-medication, and educating patients and their families about the surgical process and postoperative care.
- Monitor patients' vital signs, assess levels of consciousness, and manage pain levels effectively in the Post-Anesthesia Care Unit (PACU), ensuring a safe and comfortable recovery from anesthesia.
- Implement nursing interventions to prevent postoperative complications, such as respiratory distress, infections, and blood clots, closely observing patients for any signs of deterioration or adverse reactions.

- Coordinate with surgeons, anesthesiologists, and other healthcare professionals to ensure a seamless transition from preoperative preparation through to postoperative recovery, facilitating effective communication across the care team.
- Document all aspects of patient care accurately and comprehensively in the patient's medical record, adhering to hospital protocols and legal requirements.
- Utilize advanced nursing skills to insert IVs, manage drainage tubes, administer medications, and perform wound care, following physician orders and clinical guidelines.
- Respond to emergencies in the PACU, providing rapid assessment and initiating critical interventions as necessary to stabilize patients.
- Educate patients and their caregivers on postoperative care instructions, including wound care, medication management, activity restrictions, and follow-up appointments, ensuring they are prepared for discharge.
- Participate in quality improvement initiatives, contributing to the development of policies and procedures that enhance patient safety and the effectiveness of preoperative and postoperative care.
- Maintain a clean, safe, and organized work environment, adhering to infection control policies and advocating for patient safety in all aspects of care.

***Further Experience Provided Upon Request**

Education

Bachelor of Science in Computer Engineering

Florida International University

Current

Bachelor of Science in Nursing

Minor in Computer Science

University of West Florida

08/2021

Socials and Links

GitHub: [murseCode](#)

LinkedIn: [Justin Scott](#)