Robert G. McIntosh

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EDUCATION

Florida Institute of Technology, Melbourne, FL   Dec 2016
BS Information Systems

SKILLS

SQL, Python, C#, .NET, HTML, CSS, JavaScript, Vue.js, PHP, PowerShell, SharePoint, Communication, Leadership, ETL, SSIS, SSRS, MSSQL, PostgreSQL, MySQL, EHR, Power BI, Power Apps, Power Automate, GIMP, WordPress

WORK EXPERIENCE

NASA Occupational Health Contract Team, Kennedy Space Center, FL   Oct 2020 - Present
Applications Programmer (GSE, Inc.)
- Serve as team's IT lead, providing technical expertise and guidance to NASA's Office of the Chief Health and Medical Officer and team members, as well as managing and mentoring junior IT staff
- Interface with NASA leadership to deliver innovative solutions for electronic health record system needs, including data integration, dashboard creation, report automation, and software configuration
- Utilized Python and EHR API to standardize ETL processes, automating data extraction and manual reporting, resulting in a 75% increase in efficiency
- Maintain legacy ETL process using PostgreSQL and PowerShell; enhanced the process using C# and SharePoint API
- Spearheaded the development of an Agency-wide data compilation and reporting system using C#, SQL, and SSIS; provided daily statistics to NASA leadership through SSRS and BI dashboards
- Developed and implemented a T-SQL stored procedure to automate email reporting, reducing process time from hours to seconds
- Collaborate with NASA health SMEs, gathering requirements and leveraging SharePoint 2016/2019/Online, Power Platform, and Office 365 applications throughout all phases of project life cycle

NASA Occupational Health Contract Team, Kennedy Space Center, FL   Nov 2018 - Oct 2020
Applications Analyst (GSE, Inc.)
- Developed, maintained, and enhanced Drupal-based webpages for NASA's Office of the Chief Health and Medical Officer, ensuring compliance with web accessibility standards, using HTML, CSS, and JavaScript
- Managed SharePoint permissions, site structures, and document libraries
- Performed extraction, transformation, and loading of healthcare data to electronic health record system with PostgreSQL and PowerShell

SDI Systems, Melbourne, FL   May 2017 - Nov 2018
Technical Support Analyst
- Delivered 24/7 technical support to customers and field technicians, providing on-site and remote assistance
- Executed SQL queries and manipulations on client databases using SQL Server Management Studio
- Leveraged remote connectivity and virtualization tools to troubleshoot system hardware, software, and end-user issues

VOLUNTEER EXPERIENCE

Florida Institute of Technology Ice Hockey, Melbourne, FL   Aug 2020 - Present
Head Coach
- Lead a team of college student-athletes, employing effective coaching techniques to maximize game performance and foster individual growth
- Develop and implement practice plans and drills to improve individual and team performance, utilizing analytics for strategic decision-making and instruction
- Serve as primary recruitment lead, achieving a 200% increase in membership over the past two seasons
- Created and maintain organization's website using WordPress, incorporating Vue.js, PHP, and MySQL to manage statistics and roster pages