Ian Doarn

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Skills

Programming Languages: Python, C# .NET, .Net Core, C, PL\SQL, MATLAB, Java, Javascript, MIPS, Verilog
Frameworks\Software: Django, Eclipse, IntelliJ, Visual Studio, PyUnit, Jupyter Notebooks
Databases: PostgreSQL, Oracle SQL, MySQL Server
Technologies: Unix \ Linux, Git \ SVN, Agile, Tableau, Unit Testing, Machine Learning, Bioinformatics

Work Experience

Data Analyst - Zimmer Biomet

August 2018 – Present

- Developed a Metric system with a dashboard front end for use in performance reviews of field agents, and backend statistical information to help identify bottlenecks within the current infrastructure.
- Using the above-mentioned system replaced core infrastructure components that were responsible for distribution of medical equipment to field locations. The overall performance gain lead to a 20% increase of product availability.
- Reported directly to upper management, directors, and VPs on weekly basis.
- Designed, implemented, and maintained historic data system from non-historic data lowering overall operational costs.
- Managed department specific schema while implementing a structured process for creating and documenting tables, views, and stored procedures.

Intern / Inventory Control Coordinator - Zimmer Biomet

May 2016 – August 2018

- Created detailed reporting for site specific needs such as: Employee metrics, inventory health, product demand.
- Created automated reports with PL/SQL and Python to drive inventory demand and new product launches.
- Collaborated with teams to optimize warehouse operations and processes.

Projects

Deep-Learning Motion Capture System

- Designed and implemented motion capture system utilizing a deep learning R-CNN neural network using TensorFlow, OpenCV, OpenPose, and Nvidia CUDA.
- Utilized 3D cameras and MATLAB to label and train custom deep learning model for processing.
- Built self-adjusting system to self-learn and self-calibrate while running on Arduino.

College Football Betting Website

- Created a web-based betting application for placing bets on college football games using Django and Bootstrap.
- Implemented a system for uploading custom betting sheets and schedules from excel documents and parsing them for use in Django ORM models.

Education

Bachelor of Science, Computer Engineering - *University of Memphis, May 2020*