Matthew D. Gribbin

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Education

Post-graduation Studies, The Pennsylvania State University *Spring 2019 (Ongoing)*
Post-baccalaureate Certificate, Premedical Sciences
Cumulative GPA: 4.00/4.00

The Pennsylvania State University *December 2017*
Bachelor of Science, Industrial Engineering
Cumulative GPA: 3.53/4.00
Dean's List: Spring 2014, Fall 2014, Fall 2015, Fall 2016

Villanova University *Fall 2013*
Cumulative GPA: 3.80/4.00
Dean's List: Fall 2013

Work History

Wipro Ltd. *June - September 2018*
IT Engineer | Plano, TX
Successfully completed 2 months of comprehensive training as part of the undergraduate hiring program
Training included Agile software development, SQL, Java, big data technologies such as Hadoop and Spark, Python
Gained practical experience with exposure to leading/growing data warehouse technologies such as Redshift and Snowflake
Developed deeper understanding of industry standards, such as the AWS infrastructure and general big data concepts

Thermo Fisher Scientific *Summer 2016*
Operations Intern | Carlsbad, CA
Member of OEM team responsible for procurement of finished goods
Identified $2.6M in potential inventory reduction opportunities by analyzing outstanding customer consignment data
Reduced inventory by $172k by investigating and assessing finished goods inventory in branch plants
Worked extensively with IBM Cognos Business intelligence software to create automated daily report to track KPIs of OEM team
Designed queries in Cognos (based in SQL) to request and filter data from the Enterprise Data Warehouse
Implemented daily output schedule of report to allow OEM team to monitor KPIs on a day-to-day basis
Output included visuals and tabular data to present information at both summary and detailed level
Monitored and identified significant backorders on a daily basis to ensure OEM achieved Quarter End goal

Experience and Activities

Statistical Quality Control Project *Fall 2017*
Class-based Project, High Steel Structures
Worked with a group of 6 students to analyze uncontrolled variability in a new "Burn Table" process
Applied Six Sigma methodology and SQC tools, including control charts and Pareto analysis
Delivered dynamic model to the company using Excel VBA to allow effortless past and future data analysis

Senior Capstone Design Project *Spring 2017*
Internet of Things for Legacy Machines
Designed and implemented IoT-based infrastructure in the Factory of Advanced Manufacturing Education (FAME)
Utilized Arduino microcontroller to create local webserver to report sensor data readings in real time
Specialized in formulating necessary logic and translating into C++ code for both sensor and webserver functionality

Skills

Fundamental knowledge and experience with C, C++, R, and Apache Spark
Completed professional training in SQL, Java, Python, and Hadoop
Practical experience applying Six Sigma statistical analysis tools, including control charts and Pareto analysis