

# Matthew D. Gribbin

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## Education

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### 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

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### 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

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### 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

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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