

# Matthew L. Pergolski

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## Education

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**Syracuse University**, Syracuse, NY  
*M.S., Applied Data Science*

**June 2021-May 2024**

### *Relevant Graduate Coursework:*

- Introduction to Data Science in R/RStudio (i.e., Functions, Sampling, Visualization, Linear Modeling, Data Mining, Text Mining)
- Quantitative Reasoning in Data Science in R/RStudio (i.e., Bayesian Statistics)
- Applied Machine Learning in RStudio (i.e., Association Rule Mining, Clustering, Decision Tree Theory, Naïve Bayes, SVM, Text Mining)
- Data Administration Concepts and Database Management in SQL/Microsoft SQL Server (i.e., Relational Data Model, Conceptual/Logical Model, Normalization, Database Design, Database Programming/Querying, User Interface Design)
- Scripting for Data Analysis in Python/JupyterLab (i.e., Data Pipeline, Structured Data, Semi-Structured Data, Mongo Database, Unstructured Data, Network Structures)
- Advanced Big Data Management (i.e., NoSQL, Hadoop, Object Storage, Schemeless SQL, MongoDB, Cassandra, Redis, Neo4j, Elasticsearch, Kafka)
- Natural Language Processing in Python/Visual Studio Code (i.e., Regular Expressions, Corpus Statistics, POS Tagging, Context-Free Grammars, Semantics, Sentiment Analysis)
- Big Data Analytics in Python/Google Colab (i.e., Aligning, Describing & Modeling, Choosing, Forecasting, Inferring, Perceptron, Neural Networks, Propagation, Template Matching)

**University of Wisconsin-Eau Claire**, Eau Claire, WI  
*B.B.A., Operations/Supply Chain Management*

**December 2017**

- Graduated Cum Laude

## Work Experience

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**Lockheed Martin**, Remote  
*Data Scientist Senior (Full-Time)*

**July 2022-September 2023**

- Utilizes various Data Science tools to achieve business results: Domino Data Lab, Python, SQL, R, AWS
- Applies the following machine learning algorithms to business problems: Supervised regression/classification, natural language processing, deep learning, anomaly detection, reinforcement learning
- Demonstrates creativity and innovation in identifying valuable ways of incorporating machine learning into business workflows and processes
- Displays strong problem-solving skills, business acumen, and demonstrates excellent oral and written communication skills
- Collaborates with other scientists, engineers, consultants, and database administrators of all backgrounds and disciplines to bring analytical rigor and statistical methods to the challenges of predicting behaviors

**Lockheed Martin**, Remote  
*Data Scientist (Full-Time)*

**July 2022-September 2023**

- Utilized various Data Science tools to achieve business results: Domino Data Lab, Python, SQL, R, AWS
- Applied the following machine learning algorithms to business problems: Supervised regression/classification, natural language processing, deep learning, anomaly detection, reinforcement learning
- Demonstrated creativity and innovation in identifying valuable ways of incorporating machine learning into business workflows and processes
- Displayed strong problem-solving skills, business acumen, and demonstrates excellent oral and written communication skills

- Collaborates with other scientists, engineers, consultants, and database administrators of all backgrounds and disciplines to bring analytical rigor and statistical methods to the challenges of predicting behaviors

**Lockheed Martin, Orlando, FL**

**November 2019-July 2022**

***Manufacturing Planner (Full-Time)***

- Performed the bill of material (BOM) planning activities associated with manufacturing resource planning (MRP) transactions for the following programs: LRASM, JAGM, Javelin
- Executed Capacity Requirements Planning (CRP) on a quarterly basis; collaborated with Industrial Engineering team to analyze and communicate results
- Served as the facilitator for the Orlando-Program Lead Enterprise (OPLE) Performance Management Team (PMT); set and determined meeting agendas, consulted with metric owners, and provided support to the PMT lead
- Amassed \$200,000+ in cost-avoidance savings for Orlando-Bill of Material (OBOM) PMT through optimizing reporting structures in SAP-ERP system

**Lockheed Martin, Orlando, FL**

**January 2018-November 2019**

***Manufacturing Planner Associate (Full-Time)***

- Performed the buy, make, and bill of material planning activities associated with manufacturing resource planning transactions for the following programs: Special Programs, IRST, MLD
- Maintained production systems integrity to drive inventory optimization to minimize cost
- Sought to expedite and optimize material flow through the supply chain to meet customer requirements
- Led Performance Management Team (PMT) Savings team in generating concrete ideas for process improvement; derived a total of ~\$180,000 in total cost-avoidance savings
- Contributed to planner PMT group as a dedicated and detailed owner of the following metric: Tier 2 Scheduled Completions; collaborated with PP&C leads of 14 programs to convey monthly results to management

**Lockheed Martin, Ocala, FL**

**May 2017-August 2017**

***Manufacturing Planner Intern (Full-Time)***

- Led weekly PMT meetings with both salary and hourly employees; recapped weekly team metric goals and provided team building activities for Surface-Mount Technology (SMT) group
- Collaborated with Lockheed Martin supplier officials from Victory Supply to improve processes relating to consumable inventory; implemented inventory referencing system resulting in an estimated \$120,000 in total cost avoidances

## **Additional Information**

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### **Software**

- Application Software: R, Python, SQL, SAP HANA, Tableau, Git, JIRA
- Production Software: SAP, Windchill (dPLM), APECS
- Other: Microsoft Office Suite (i.e., Excel, Power Query, Word, PowerPoint, Project, Visio), draw.io, Weka

### **Other Qualifications**

- Active U.S. Government Security Clearance
- Coursera Completion Certificates (i.e., Python Basics, R Programming, Data Visualization with dplyr and ggplot2 in R, Data Manipulation with dplyr in R)
- LinkedIn Learning Completion Certificates (i.e., Git and Gitlab, Tableau, Microsoft Project, JIRA, R Programming)
- Lean Six Sigma Green Belt Certified
- Excellent written communication, time management skills