Isabela Caetano
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EDUCATION

Rochester Institute of Technology

- *M.S. in Data Science (GPA: 3.89/4.0)* — August 2020 – May 2022
- *B.S. in Electrical Engineering* — August 2015 – May 2020

WORK EXPERIENCE

Data Scientist — July 2022 - Present
IBM [New York, NY]

- Data Science consultant working on Industrial Data and Technology Transformation client based projects.

IT Laboratory Assistant — January 2020 - May 2022
RIT - College of Art and Design [Rochester, NY]

- Provided technical support for student and faculty computers. Duties include running diagnostics, replacing equipment and general hardware troubleshooting.
- Used JIRA ticketing system to monitor, report and update customer issues.

Analytics Engineer Intern — Summer 2021
ASML [Remote]

- Developed anomaly detection model in python to monitor EUV vessel components and predict potential failures
- Deployed scripts to a fleet of systems and achieved overall accuracy of 98%.
- Created visualizations using matplotlib to show fleet performance and highlight failures.

Power and Performance Engineering Intern — Summer 2019
Intel Corporation [Hillsboro, Oregon]

- Carried out power and performance tests using software benchmarks to meet KPIs for mobile SoCs and analyzed results in Excel to create visualizations that show areas of concern in performance and power consumption.
- Created detailed documentation for power/performance testing and data analysis

Thermal Power Engineering Intern — May 2018 - December 2018
Intel Corporation [Hillsboro, Oregon]

- Conducted CPU thermal power experiments and exploratory data analysis in JMP to determine temperature trends. Presented results in final internship presentation to team executives.
- Created system for tracking pass/fail rate of hardware components and firmware combinations in Excel.

SKILLS

Languages:	Python, Java, MySQL, MATLAB, LaTeX
Libraries:	pandas, numpy, matplotlib, seaborn, nltk, sklearn, pyspark
Tools:	Git, Excel, Jupyter, JIRA, Asana, Confluence, Slack
Certifications:	Lean Six Sigma Yellow Belt
Other:	Bilingual in English/Polish, communicative in Spanish

PROJECTS

Anomaly Detection for GPS Spoofing in Simulated Autonomous Vehicles Fall 2021 - Spring 2022
Successfully created GPS spoofing script using CARLA python API and developed anomaly detection model to sense spoofing attacks.

IBM HR Analytics Employee Attrition Classifier — Summer 2021
Created classifier to Used IBM employee data set to classify employees as attrited or not attrited in python. Used SMOTE to deal with imbalance, gradient boosting for modelling and achieved F1 score of 0.91.

Fake Job Posting Classification (NLP) — Spring 2021
Used KNN model with GridSearch tuning to classify fake job postings in python. Achieved F1 score for fraudulent jobs of 0.82 and weighted average F1 of 0.98.