KAREN A. LOSCOCCO

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OBJECTIVE

A self-motivated industrial engineering student seeking a full-time position requiring critical thinking and problem solving ability. I am eager to put my knowledge and experience in data science and machine learning to practical use within a company that embraces creativity and innovation.

EDUCATION

Georgia Institute of Technology   **Atlanta, GA**

Bachelor of Science in Industrial & Systems Engineering   *Aug 2016 – Dec 2020*

· Concentration in Analytics and Data Science, Minor in Economics
· GPA: 3.40, Dean's List every semester

WORK EXPERIENCE

Rubicon   **Atlanta, GA**

Data Science Intern   *Jan 2020 - May 2020*

· Contributed to design of a scalable AWS S3 image processing pipeline for reliable processing and moving of training data for a Machine Learning object detection model.
· Wrote Python scripts that implement different processing elements of data pipeline.
· Designed the database architecture for storing image metadata and annotation data that enables reporting of training data metrics. Implemented the transfer of this data from AWS S3 to the database with Python scripts.
· Created and maintained up-to-date version of annotation manual for annotation contractors.

Data Analyst Co-Op   *May 2017 - Dec 2018*

· Developed reports necessary to support business processes and wrote SQL stored procedures to extract the necessary data to populate these reports.
· As part of a team developing a Machine Learning model for generating vendor pricing, I proposed and implemented changes that resulted in increased accuracy.
· Developed stored procedures that process and return up-to-date training data for vendor pricing model.
· Automated the data retrieval processes using Python web scraping for up-to-date training data. Reduced a one hour manual task down to less than a minute.
· Created data integrity checks for validation of manual data entry and performed data cleanup with SQL Server Cursor which increased automatic invoice and work order match rate to 90%.

The Coca-Cola Company   **Atlanta, GA**

Strategic Marketing Intern   *Jan 2019 - May 2019*

· Wrote Python script that improved the efficiency of the team performing manual data cleanup tasks.
· Supported the transition of technology use to other business elements across the corporation.
· Developed Tableau dashboards with actionable insights for marketing assets and partnerships spending.
· Performed asset spending analysis to aid in cinema sponsorship strategy.

INTERESTS & SKILLS

Technical Skills	Python (Scikit-Learn, Keras CNN, Tensorflow, NumPy, Pandas, Matplotlib, Gurobi), SQL, R, Microsoft Excel, Tableau, PowerBI, ARENA, AWS Lambda, AWS S3
Relevant Coursework	ML Algorithms, Dimension Reduction, Data Mining, Basic Web Scraping, Database Design, Data Visualization, Mathematical Optimization (Linear, Integer, and Nonlinear Programming; Dynamic Programming), Basic Simulation, Game Theory
Orgs & Interests	IISE, SWE, Alpha Gamma Delta (Vice President of Administration), Nothin' But Treble A Cappella, Climbing, Yoga