Luca Kurtz

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EDUCATION

Georgia Institute of Technology, Atlanta, GA　　　　　　　　　　　　Jun 2018 – Dec 2022
- Bachelor of Science in Industrial Systems Engineering with a concentration in Analytics and Data Science
- Dean's List student with 3.81 GPA, 3.80 Major Specific GPA – completed 121 Credit Hours
- Relevant Coursework:
  - Computer Science: Data Input/Manipulation, Database Systems, Simulation Analysis and Design, Advanced Regression/Forecasting, Advanced Optimization, Decision & Data Analytics
  - Statistics & Engineering: Calculus, Linear Algebra, Discrete Mathematics, Statistical Methods, Advanced Stochastics, Advanced Regression/Forecasting, Advanced Optimization

PROFESSIONAL EXPERIENCE

Coca-Cola Bottlers' Sales and Services　　　　　　　　　　Spring 2020, Fall 2020, Summer 2021
Data Analyst
- Created, updated, and maintained a repository of Power BI and Tableau workbooks for dashboarding and reporting purposes
- Pulled large datasets from SQL databases and used Python Pandas and NumPy for data formatting, cleansing, and model creation
- Created predictive forecasting models and classifiers using Python and R, hyper tuned parameters to inform business decisions regarding supplier reliability
- Drove the creation of automated updates for models and dashboards using Python and SQL

PricewaterhouseCoopers　　　　　　　　　　　　　　　　　　Jun 2022 – Aug 2022
Intern Consultant - Operations Transformation
- Assisted a project setting up an International Sourcing Organization replacing a 3rd party agency to drive $40 million in yearly client savings and de-risk the client's supply chain
- Delivered and presented acquisition research to determine short and long-term impact on the client
- Captured current state activities of the 3rd party sourcing agency to inform the new Sourcing Organization

LEADERSHIP

Excel Mentorship Program　　　　　　　　　　　　　　　　　Jan 2020 – Dec 2021
Health and Wellness Mentor
- Mentored and helped students with intellectual disabilities
- Met with students on a one-on-one basis, helped teach them skills needed to become self-sufficient
- Aided the development of skills such as grocery shopping, healthy eating, and exercising

DATA SCEINCE PROJECTS (LOCATED ON GITHUB)

World Leader Image Classification - Created a classifier using SVMs to distinguish between images of politicians.
Drug Classification - Created a classifier exploring regression, neural net, KNN, SVM, random forest, gradient boost, naïve bayes, and decision tree models to predict which medication to prescribe heart disease patients
Mushroom Classification - Created an ANN model to classify if mushrooms are edible, used TensorFlow and Keras
Risk Godstorm Simulator - Created a battle simulator for the popular board game Risk Godstorm

SKILLS

Tools:	Python, SQL, R, TensorFlow, PyTorch, Keras, scikit-learn, Tableau, Power BI, Gurobi, Advanced Microsoft Excel Certification, Alteryx Core Certification, SAP
Concepts:	Classification, clustering, regression, statistical inference, collaborative filtering, experimental design, social networking analysis, feature engineering, linear & nonlinear Optimization, etc
Clubs:	Consult Your Community (CYC), Investments Committee (IC), Excel Mentorship
Communication:	Creating presentations to drive business decisions, research projects, presentations