Luca Kurtz

📞 404-989-6225   ✉ luca.kurtz@gmail.com   https://github.com/lkup-hash/Data_Science_Portfolio   linkedin.com/in/lucakurtz
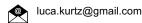
EDUCATION

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

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers   Jun 2022 – Aug 2022
Consulting - Operations Transformation Intern
- 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

Coca-Cola Bottlers' Sales and Services   Spring 2020, Fall 2020, Summer 2021
Data Analyst - Full Time Co-Op
- 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

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)

Drug Classification - Created a classifier exploring regression, neural net, KNN, SVC, random forest, gradient boost, naïve bayes, and decision tree models to predict which medication to prescribe heart disease patients
World Leader Image Classification - Created a classifier using SVMs to distinguish between world leaders
Car Price Prediction - Created and tuned a linear regression model used to predict car price
Mushroom Classification - Created an artificial neural network model to classify if mushrooms are edible

SKILLS

Tools:	Python, SQL, R, Alteryx Core Certification, Advanced Microsoft Excel Certification, Tableau, Power BI, Gurobi, SAP
Concepts:	Big Data, Data Engineering, Neural Networks, Random Forest, Regression/Forecasting, Bayesian Models, K-Means Clustering, SVM, Linear & Nonlinear Optimization, etc
Clubs:	Consult Your Community (CYC), Investments Committee (IC), Excel Mentorship
Communication:	Leadership, presentations, reporting, research papers, group project work