

SOPHIA MARINOVA

Data Analyst

📍 Atlanta, GA, USA

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EXPERIENCE

Data & Analytics Consultant

Daugherty Business Solutions | 2019–2020 | Atlanta, GA

Collaborated with team and client business stakeholders to analyze business data and processes and deliver data-driven solutions

- Developed statistical analyses of raw marketing data to support research for market reach and network planning
- Designed and automated the publication of daily department-wide reports and dashboards using Tableau, SAS, and stored procedures
- Presented analytical capability demo proposing a Python-coded mathematical model to inform pricing optimization strategy
- Designed and developed playbook and supporting business documentation for professional services client interaction process

Data Engineer

Centreville Tech, LLC | 2018–2019 | Centreville, AL

- Developed SQL scripts to analyze product database design, completed data normalization in MySQL
- Optimized complex PHP-embedded SQL queries run-time to digital product search pages with daily traffic in thousands
- Supported Android/iOS developers by mining data about clients and their customers to improve communication & data quality

Head Instructor, Interim Center Director

Mathnasium Learning Centers | 2014–2018 | Houston, TX; Atlanta, GA

- Created individualized mathematics curricula, weekly lesson plans, and student progress reports for primary and secondary students
- Maintained daily learning center operations, overseeing instructors and successfully tutoring math concepts up to 30 students at a time
- Trained newly-hired tutors in brand instructional approach

EDUCATION

Industrial & Systems Engineering

Georgia Institute of Technology | August 2015 – May 2018

Bachelor of Science, Graduated with Highest Honors

Concentrations: Operations Research, Materials Science & Engineering

RESEARCH / PROJECTS

Research Lead | Capstone Design: Tractor Scheduling Automation Algorithm

- Developed a ground-up, heuristics-driven Python algorithm to power an automated scheduling assignment tool
- Optimized the current system of a major package delivery corporation, achieving over 60% improvement in KPIs and sustainability goals

SKILLS

Programming

Python SQL SAS R git

Relational Databases

Teradata PostgreSQL MySQL

Data Tools

pandas scipy numpy scrapy

scikit-learn tensorflow matplotlib

BI Tools

Tableau MS Power BI Microstrategy

Industry Software

MS Office: Word, PowerPoint, Excel, Visio

MS Excel: Pivot Tables, VLOOKUP

INDUSTRY EXPERTISE

Statistics, Quantitative Data Analysis, Machine Learning

Data Visualization, Business Reporting

Process Improvement, Automation

PERSONAL INTERESTS

Fitness, Sewing, Teaching, Linguistics

CERTIFICATIONS

Tableau Desktop Specialist

Tableau Software | 2020

Dataiku Core Designer

Dataiku, Data Science Software | 2020

DataRobot Machine Learning

DataRobot, Inc., AI Platform | 2019