SOPHIA MARINOVA

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EXPERIENCE

Daugherty Business Solutions, Atlanta, GA
Consultant, Data & Analytics | 2019–2020

Collaborated with consulting team, business stakeholders, and SMEs at multiple clients, to document business problems, requirements, and system processes

- Automated department-wide daily report by creating Tableau dashboard powered by SAS script and stored procedures, eliminating daily manual input
- Designed and developed playbook for new organizational process, creating supporting deliverables based on stakeholder and SME input
- Analyzed sale and delivery data for automobile parts and airline companies, creating analysis demo and reports to support market reach research

Centreville Tech, LLC
Data Engineer | 2018–2019

- Improved complex PHP-embed SQL queries run-time to site with daily traffic in thousands, completed data normalization in MySQL to streamline data access
- Collaborated with Android/iOS developers to quality test and process client data to improve product and communication quality

Georgia Tech Computational NanoBio Technology Lab
Research Assistant | 2017–2018

- Collected data by running simulations based on first-principles atomistic modeling on HPC-cloud system to analyze DNA system electrochemistry data
- Collaborated with team members to contribute to statistical data analysis, literary review, and team presentations

EDUCATION

Industrial & Systems Engineering, B.S.
Georgia Institute of Technology, Atlanta, GA | August 2015 – May 2018

- **Concentrations**: Operations Research, Materials Science & Engineering
- **Study Abroad**: Yonsei University, Seoul, South Korea | 2016
- **Organizations**: Materials Advantage, Renewable BioProducts Institute
- **Capstone Design Project**: Tractor Scheduling System Automation Algorithm - Developed a ground-up, heuristics-driven algorithm in Python to optimize the scheduling system of major packaging corporation, achieving over 60% improvement in KPIs and sustainability goals

SKILLS

Programming
Python, SQL, SAS, PHP, Java

Software
Tableau, Microstrategy, QlikSense, DataRobot, Dataiku, MS Visio, JIRA, Slack, MS Office (Word, PowerPoint, Excel)

Databases & Data Tools
Teradata, PostgreSQL, MySQL, Pandas, NumPy, SciPy, Seaborn, matplotlib, Scikit-learn, erwin Data Modeler

Other Competencies
Business Requirements, Process Development, Statistics, OOP, Data Visualization

Languages
English, Bulgarian, French, Korean

Personal Interests
Fitness, Sewing, Embroidery, Linguistics, Teaching

CERTIFICATIONS

Tableau Desktop Specialist (2020) – Tableau Software

Dataiku Core Designer (2020) – Dataiku, Data Science Software

DataRobot Deeper Dive (2019) – DataRobot, Inc., ML Platform