Daniel Gray Carson

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SKILLS

Programming & Data Processing: SQL (PostgreSQL, MySQL), Python (Pandas, NumPy, API Integration), MATLAB
Data Visualizations & BI: Tableau, Power BI, Excel (Pivot Tables, VBA)
Databases & ETL: SQL Database Management, API Data Retrieval, Web Scraping, Data Cleaning & Transformation
Technical Writing & Documentation: Training Materials, Proposals, Reports, Business Insights

WORK EXPERIENCE

SOFTWARE TRAINER
Innovative Collegiate Consultants | Sept. 2024 – Present
- Instructed clients in SQL, data analysis, and technical problem-solving, improving their ability to work with structured databases
- Produced tutorials and technical documentation to guide learners through database management and query optimization

DATA ANALYTICS CONSULTANT
DGC Analytics (Independent Consultant) | 2018 – Present
- Developed automated reports and interactive dashboards, leveraging SQL, Python, and Tableau to drive data-driven decision-making and business insights
- Authored technical documentation, proposals, and contracts, ensuring clarity in business agreements and project execution

CALCULUS INSTRUCTOR
University of Central Florida | 2022 – 2023
- Taught 150+ students per semester in Calculus, integrating theoretical concepts with real-world applications
- Led sections that all ranked in the top 16% of 30+ UCF calculus sections, demonstrating effective teaching strategies

MACHINE LEARNING RESEARCHER
ACM Competition | 2nd Place | 2018
- Developed an AI-powered assertion network in Python, using bilateral multi-perspective matching (BiMPM) and k-nearest neighbor (k-NN), achieving 97.07% accuracy in fake news classification
- Processed millions of data points with NLP techniques and sentiment analysis, enhancing bias detection accuracy

SOFTWARE DEVELOPER (INTERN)
Computing System Innovations (CSI) | 2017
- Assisted in the development of AI-powered redaction software, optimizing data extraction workflows and document anonymization
- Gained hands-on experience in SQL database management and backend data processing

MATHEMATICS TUTOR
Stetson University & University of Central Florida | 2018 – 2023
- Provided one-on-one and group tutoring to hundreds of students in all undergraduate mathematics courses
- Developed customized learning materials to simplify complex mathematical concepts

EDUCATION

BACHELOR OF SCIENCE, MATHEMATICS (MINOR IN COMPUTER SCIENCE)
Stetson University | 2016 – 2020
- Led *HackerSpace* (Vice President), organizing technical workshops and hackathons; Co-founded *QED* Math Club
- Awarded "Best First Time Hacker" at an international Hackathon utilizing MATLAB

GRADUATE COURSEWORK IN MATHEMATICS
University of Central Florida
- Completed advanced coursework in partial differential equations, matrix theory, financial analysis, and more