Jared Preston Daniels

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Mathematician and computer nerd with a love of learning, thirst for knowledge and unrelenting desire to solve problems. Well known for learning complex ideas and using them to find solutions. Passionate about taking raw data and transforming it into actionable information, predictive models, and neural networks. Seeking opportunity to combine my skills and abilities to advance in a career as part of a team in data science or related field.

Proficient in: All forms of mathematics (pure, applied, computational), programming (Python, VBA, SQL, C++), data analysis, regression, decision trees, neural networks, computer hardware (building, upgrading and repairing), software (including Matlab, Anaconda, Jupyter Notebook), and independent study.

Education

Master of Science: Applied Mathematics
GPA: 3.73/4.00

University of Connecticut, Storrs
Completed 90 percent of course work and 3 of 4
qualifying exams toward a Doctorate in Philosophy.

Bachelor of Science: Applied Mathematics
GPA: 3.63/4.00.

University of Massachusetts, Amherst

Work History

2014-Current

Manager/Supervisor
Hall Karts Inc. dba Bud's Go-Karts
- Day-to-Day Supervision of iconic 60-year old seasonal recreational business.
- Studied and became state certified Amusement Maintenance Mechanic to satisfy state regulatory requirements.
- Brought business up to code, improving mechanical and safety functions.
- Tailored required state forms to better suit the business, saving hours per week on paperwork.

2014-Current

Manager/Consultant
Windsong Antiques Inc.
- Managing online and retail sales, doubling online revenue after the first month.
- Developed program in Excel that saves 2-4 hours per week on inventory tracking and accounting.
- Set up and maintains computer systems and network that improved ease of accounting and online sales

2010-2014

Graduate Teaching Assistant
University of Connecticut, Storrs
- In first semester as a graduate student, was given a Pre-Calculus book and two classes of 30 students and tasked with designing and teaching a course independently. Designed entire course from the ground up, including lectures, assignments, tests, and syllabus, transforming the textbook into a more approachable and stimulating way to learn.
- Taught 2-6 classes per semester. From independently teaching courses in Pre-Calculus and Calculus 3, to discussion sessions in Math for Business and Economics, Calculus 1, and Calculus 2.
- Held weekly office hours and provided tutoring for struggling students, which improved their grades and gave them confidence to interact more in the classroom.
- Graded homework and tests and used metrics from them to discover what the students were struggling with to improve their understanding of the subject.
- Received glowing end-of-semester evaluations from students.

Independent Study

Online Courses
- Udemy courses in Python, Data Science and Machine Learning

SOA Actuary Exams Passed
- P/1 Probability and Fm/2 Financial Mathematics