David Storey
David.Patrick.Storey@gmail.com • 734-620-2597 • 3600 Observatory Lane, Holt, MI 48842 • https://github.com/enigmaticlogic/

Objective: To seek a position that utilizes my skills and promotes growth

Summary of Qualifications:

- Mathematics and statistics background
- Experience with advanced ML algorithms, data wrangling, and data visualization
- Experience working in an AGILE environment
- Flexible and able to work under pressure with little supervision
- Ability to prioritize multiple tasks/projects
- Dedicated, conscientious, highly motivated and reliable worker
- Self-starter, detail-oriented, data driven, and quick learner
- Strong communication and analytics skills

Education:

Michigan State University **East Lansing, MI**
Graduated 2020, MS in Mathematics
Cumulative GPA of 3.85
Specialized in: Machine Learning, Data Visualization, Topological Data Analysis
Relevant courses: Machine Learning in Python (3 semesters), Data Visualization

University of Michigan **Dearborn, MI**
Graduated 2016 with high distinction, BA in Mathematics
Received Honors Scholar award in Mathematics, given to only one student each semester
Average GPA of 3.75
Relevant courses: Statistics, Probability, Linear Algebra, Multivariate Calculus, Stochastic Processes

Projects

- Code and relevant papers on Github
- Assisted with data pre-processing and coding of algorithms for a research project in network fairness which could lead to new metrics for quantifying fairness in classification problems involving network data – Spring 2020
- Reproduced the results of several machine learning research papers which involved feature extraction, feature generation via mathematical techniques including graph theory and kernel methods, and the implementation and training of RF, GBT, and CNN models for supervised regression tasks – Summer 2019
- Using only standard libraries such as Numpy, coded CNN, ANN, Random Forest, Decision Tree, SVM, KNN, logistic regression, and linear regression in Python from scratch – Fall 2018

Professional Experience:

06/2020-Present
Associate Software Developer
Auto-Owners Insurance
Perform analysis to determine the best solution to business problems and the potential impact of code changes
Create/modify JCL, COBOL batch and CICS programs to automate critical business functions such as monitoring premium and commission balances across many agencies, catching duplicate transactions, and integrating legacy processes with new software
Collaborate with team members in an AGILE environment to meet production deadlines
Work with Business Analysts and Quality Analysts from various departments to test fixes

08/2017-03/2020
Graduate Teaching Assistant
Michigan State University
Instructor of record for College Algebra, Business Calculus, and Quantitative Literacy
Resolved student conflicts, facilitated group work, managed two ULA's and helped students individually in office hours
Successfully advocated for and helped implement changes to the algebra course
Mentored undergraduate research program

09/2014 - 05/2017
Mathematics Tutor
University of Michigan
Assisted students in mathematics and statistics, proctored exams, and collected customer data

Analytical Skills:

Proficient in higher level mathematics including Multivariable Calculus, Linear Algebra, Topology, Machine Learning, Probability, and Statistics
Proven ability to quickly tackle new software and production pipelines

Programming Skills:

Experienced in using Python libraries such as Keras, Scikit-Learn, Numpy, Pandas, Matplotlib, and Bokeh for machine learning and data visualization projects
Mainframe skills including COBOL/CICS programming, JCL, and DB2 SQL
Received certification of completion for UC Davis' SQL for Data Science course which covered topics including joins, subqueries, aggregate functions, and ER diagrams
Familiarity with Tableau, scripting, and R

Data Skills:

Pre-processing, cleaning, feature extraction, normalization, and visualization
Experience maintaining and sorting insurance policy data

Other Skills:

Tableau, Github, Sublime Text, Microsoft Excel, command line, parallel computing via HPCC, Windows, Linux, JIRA, Confluence, AGILE