

# Jeremy Kight

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2+ years of proven workforce experience and astutely applies scientific rigor and creativity to projects and research in pursuit of excellence. Appreciates working with the brightest minds and demonstrates the brightest acumen. Focuses on applying machine learning, statistical modeling and/or data analysis techniques to find system solutions. Possesses deep investment in learning new technical subject areas and is working toward enrollment in a computer science masters program. Proficient in Python, R, SQL, Excel, and shell scripting languages like bash, zsh, or csh.

## CORE COMPETENCIES & QUALITIES

Critical Thinking | Initiator | Problem-Solver | Adaptable | Detail-Oriented  
Data Analytics | Growth Projection | Data Interpretation | Statistical Modeling  
Technical Writing | Resource Management | Team Relationship Building

## PROFESSIONAL EXPERIENCE

**Data Processing Specialist** | McLeadership Youth Foundation, Inc. | Douglasville, GA | 2019 – Present

- Partnered with CEO and Board of Directors to develop, execute, and sustain strategic initiatives through research, data analysis, project management, and software integration
- Utilized statistical modeling in Python and R to analyze performance data, summarize comprehensive results, and generate performance recommendations and growth projections
- Engineered dynamic, comprehensive data analytics software to collect, store, interpret, analyze, and report data based upon customer inputs and scoring metrics (in progress)
  - Built back-end data base in MySQL for data warehousing and streamlined raw data extractions within Python
  - Implemented CSS, HTML, Python, and Django to design enhanced user interface anticipated to simultaneously service multiple customer accounts
  - Automated data collection, compilation, and validation processes and generated visualization dashboards for reporting results to customers
- Designed and developed a dynamic and interactive website with optimized usability to advance corporate goals, resulting in 100 % visibility increase for the company
  - Employed JavaScript, Markdown, HTML, and Hugo to ensure functionality and feasibility

**Mathematics Instructor, High School** | New Manchester High School | Douglasville, GA | 2019 – 2020

- Designed and implemented data-driven lesson plans for Algebra Foundations, Algebra I, and Algebra II courses to increase student engagement by 25 %
- Developed a standardized process in R programming to extract and analyze student performance data to identify academic areas for improvement
  - Collaborated with multiple departments through regular meetings to set goals, track metrics, and report Individualized Education Plans (IEP) for student progress
- Employed diverse teaching strategies to significantly increase test scores and student efficiency including technology, mathematical software, and interactive notebooks
- Instructed groups of up to 32 students in diverse classrooms including individuals with and without learning disabilities

## **Mathematics Instructor, High School** | Oakstone Academy Charter School | Columbus, OH | 2018 - 2019

- Designed and implemented data-driven lesson plans for AP Calculus, Physics, and Algebra I courses
  - Successfully increased pass rate for all taught courses to 100 %
  - Successfully increased pass rate on Calculus Advanced Placement exam to 50 %
- Managed and instructed groups of up to 14 students in diverse classrooms including individuals with and without autism
- Assessed, recorded, and reported student development and progress to formulate strategies to assist struggling students, increasing overall performance by 15 %
- Constructed and tracked Individual Education Plans (IEP) to promote student learning and communicate growth areas for continuous improvement

## **Upper Level Mathematics Tutor** | 6<sup>th</sup> – 12<sup>th</sup> Grade | Sylvan Learning Center | Baytown, TX | 2018 – 2018

- Constructed and administered individualized mathematics lessons for low-performing students in subjects ranging from addition to advanced Calculus
  - Successfully increased student performance both in the classroom and on individual web assignments through data tracking and analysis
- Differentiated instruction to meet specific student needs in small group settings

## **EDUCATION**

**Texas Tech University** | Lubbock, TX | Grad. Date: May 2017 | GPA: 3.26/4.0  
Bachelor of Science (B.S.) in Chemical Engineering  
Minors: Mathematics and Chemistry

**Texas Tech Engineering Study Abroad** | Seville, Spain | 2015 | GPA: 4.0/4.0  
Obtained 6 Engineering credit hours  
Courses Completed: Engineering Economics, Linear Algebra

**Introduction to Computer Science and Programming Course** | June – Aug. 2020 | GPA: 4.0/4.0  
EdX, Massachusetts Institute of Technology (for academic credit)  
Python 3.5: Data Structures, algorithms, algorithmic complexity, testing and debugging

**Data Science Certification** | 2019-2020 | GPA: 4.0/4.0  
*Certs School, Online Learning*  
Qualified Associate  
Data Science Training: R Programming, Python, Big Data & Hadoop Fundamentals, and Tableau

## **PROJECTS & PERFORMANCE**

- Data Cleaning & Visualization – Socioeconomics, March Madness Visuals | 2019- Present
  - R Programming, ggplot, Python, matplotlib
- Data Analysis – Sector Volatility, NYC Service Called | 2019 - Present
  - Python: NumPy, Padas, scikit-learn, matplotlib, BeautifulSoup
- Machine Learning – Advertising Budgets, March Madness Predictions | 2019 – Present
  - Linear & Logistic Regression, Neural Network, SVM, XGBoost
- Website Development: Hugo (Markdown and HTML), and JavaScript within R Studio