

# Jeremy Kight

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3+ 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, statistics and/or data mining techniques. Possesses deep investment in learning new technical subject areas and has a sincere curiosity about cyber security problems. Has familiarity with shell scripting languages like bash, zsh, or csh.

## CORE COMPETENCIES & QUALITIES

Critical Thinking | Takes initiative | Problem-Solver | Adaptable  
Trend Projection | Analytics | Resource Management | Statistical Modeling  
Technical/Financial Expertise | Consulting | Relationship Building

## PROFESSIONAL EXPERIENCE

**Web Designer** | McLeadership Youth & Mentoring Foundation, Inc. | Douglasville, GA | 2020 – Present

- Designed and developed a website for publication to showcase the mission and opportunities offered by company in addition to financial giving
  - Utilized JavaScript, Markdown, HTML, and Hugo; website under review by publisher

**Mathematics Instructor, High School** | New Manchester High School | Douglasville, GA | 2019 - Present

- Designed and implemented unique lesson plans for Algebra Foundations, Algebra I, and Algebra II courses
- Employed diverse teaching strategies to significantly increase test scores including technology, mathematical software, and interactive notebooks
- Instructed groups of up to 32 students in diverse classrooms including individuals with and without learning disabilities
- Created data-driven synopses in R programming to analyze and identify academic areas for improvement
  - Collaborated with Special Education Dept. to track Individual Education Plans (IEP) for student growth

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

- Designed and implemented unique lesson plans for AP Calculus, Physics, and Algebra I courses
- Managed and instructed groups of up to 14 students in diverse classrooms including individuals with and without autism
- Taught students with and without autism how to socialize and interact appropriately
  - Assessed, recorded, and reported student development and progress to formulate strategies to assist struggling students

- Constructed and tracked Individual Education Plans (IEP) to promote student growth

## ACCOMPLISHMENTS

- Successfully increased pass rate for all taught courses to 100 %
- Successfully increased pass rate on Calculus Advanced Placement exam to 50 %

**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 assignments
- 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

**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 Desktop 9

**Alternative Teaching License for Integrated Mathematics** | Iss. April 2018 | Exp. Aug. 2019  
*Intensive Pedagogical Training Institute (IPTI)*

## PROJECTS & PERFORMANCE

- Data Cleaning & Visualization – Socioeconomics, March Madness Visuals | 2019- Present
  - R Programming, composed in R Markdown; Python
- Website Development | 2019 - Present
  - Hugo (Markdown and HTML) within R Studio
- 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