Alexander Julian Crabtree

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OBJECTIVE

Mathematics graduate with proven python programing, data analysis, and data visualization skills. Seeking a position as a Data Analyst to leverage analytical mindset and attention-to-detail skills to build data analysis solutions to exceed customer needs.

EDUCATION

TEXAS A&M UNIVERSITY, College Station, Texas   Aug. 2017 – May 2021
Bachelor of Science in Mathematics

- Minors in Physics and Astrophysics
- Cumulative GPA: 3.326/4.00

KEY QUALIFICATIONS

- Working knowledge of visualization with Python libraries (e.g., Plotly, Seaborn, Matplotlib).
- Experience retrieving and cleaning data with data mining tools such as Python and SQL.
- Involvement in developing scripts in Python to automate data collection/creation.
- Knowledge of Microsoft Office Programs such as Excel and Word.
- Strong analytical thinker with solid attention-to-detail skills in unstructured environments.

SKILLS & CERTIFICATES

Languages: Python | SQL | HTML | CSS
Program/Tools: Microsoft Excel | MS Visual Studio | Microsoft Office Programs | Git/GitHub
Certificates: IBM Data Analytics Professional Certificate

PROFESSIONAL EXPERIENCE

EDUCATION ONE, Frisco, TX   Sep. 2021 – Present
Physics and Mathematics Tutor

- Teach students in groups of up to 3 in areas of Mathematics, Physics, and English.
- Create Physics, Mathematics, and English packets to aid in enhancing student comprehension.
- Grade worksheets given to students while providing feedback.
- Aide students in preparing for the SAT/ACT tests through the tutoring of vital subjects.

TEXAS A&M AGGIENOVA, College Station, TX   Aug. 2020 – Present
Research Assistant

- Developed Python scripts that made use of libraries, such as BeautifulSoup and Pandas, to web scrape and manipulate data from astronomical databases.
- Progressed the SOUSA website by developing HTML/CSS scripts to update and refine the data stored there.
- Utilized the Swift Optical/Ultraviolet Supernova Archive (SOUSA) database in conjunction with Python scripts to create Plotly dashboard of UVOT filter light curve, color light curve, and color-color diagrams.
- Coordinated effectively with a team of 4 on joint projects utilizing GitHub