

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

- 1+ years' dedicated experience creating data visualization and statistical models.
- Experience with data mining tools such as Python and SQL.
- Competency utilizing MS Excel and Plotly for data visualization.
- Knowledgeable in using models and graphs to analyze information to draw possible conclusions.

SKILLS & CERTIFICATES

Languages: Python | SQL

Tools: Github | MS Visual Studio | Microsoft Excel | Microsoft Office Programs

Internet Technologies: HTML | CSS

Certificates: IBM Data Analytics Professional Certificate – (In Progress)

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 – Sep. 2021

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