Alexander Julian Crabtree

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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

PROFESSIONAL EXPERIENCE

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

- Teach students in a group of up to 3 in areas of Mathematics, Physics, and English.
- Create Physics and Mathematics 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. See https://pbrown801.github.io/SOUSA/
- Utilized the Swift Optical/Ultraviolet Supernova Archive (SOUSA) data with Python scripts to create interactive UVOT filter light curve, color light curve, and color-color diagrams. See https://alexcrabt.pythonanywhere.com/
- Coordinated effectively with a team of 4 on joint projects utilizing GitHub.

TECHNICAL SKILLS

Tools
MS Visual Studio | Github | TEXstudio | Microsoft Office Programs

Languages
Python | HTML | CSS

ANALYTICAL SKILLS

Inductive & Deductive Reasoning | Strategic Thinking | Problem Solving | Data Collection | Data Analysis/Visualization | Interpreting Results

SOFT SKILLS

Attention to Detail | Self-Learner | Resourceful | Multi-Tasker | Clear Communicator | Team Player