Alexander Julian Crabtree

(936) 242-5280 · acrabtree15@gmail.com· https://alexcrabt.github.io/Portfolio/

EDUCATION

Texas A&M University, College Station, Texas   Aug 2017 – May 2021
Bachelor of Science in Mathematics; Minors in Physics and Astrophysics
GPA: 3.3

WORK EXPERIENCE

Texas A&M AGGIENOVA, College Station, Texas   Aug 2020 – Present
Research Assistant

- Implemented Python libraries such as Pandas, NumPy, and Beautiful Soup to develop concise script that gathers astronomical data from online databases.
- Made use of gathered astronomical data to manipulate and organize AGGIENOVA's Swift Supernovae Database.
- Progressed AGGIENOVA's Swift Supernovae Database by developing HTML, CSS, and JavaScript script.
- Created Python script utilizing Plotly to take user input create Magnitude and Color Light Curve graphs for Supernovae in AGGIENOVA's Swift Supernovae Database.
- Utilized GitHub to collaborate with team members on joint projects in an effective and timely manner.
- Developed script utilizing Python's Pandas Library to convert data in AGGIENOVA's Pipeline.
- Assisted with front-end web development of AGGIENOVA's Templates page.

Conroe ISD, Conroe, Texas   Jun 2019 – Aug 2019
Custodian

- Kept a consistent cleaning schedule in assigned areas of the school.
- Assisted faculty with the movement of furniture and equipment.
- Maintained an inventory of cleaning supplies and equipment.

UPS, Conroe, Texas   Nov 2018 – Dec 2018
Driver Helper

- Assisted UPS Driver in the delivery of packages.
- Ensured customers satisfaction as the first point of contact between customers and the UPS Center.
- Arranged packages in an orderly manner to ensure efficiency for UPS driver.

SKILLS

- Python
- HTML/CSS
- JavaScript
- Web Scraping
- GitHub

- IRAF
- Latex
- Microsoft Office Programs
- Attention to detail
- Problem solving

HOBBIES/INTERESTS

- Mathematics
- Astronomy and Physics
- Reading
- Shogi
- Running