ETHAN CONNER

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EXPERIENCE

Undergraduate Research Assistant   August 2024 – May 2025
Tarleton State University   *Stephenville, TX*
- Contributed to the development of a model written in C and CUDA to visualize data, enhancing the efficiency of modeling a real experiment.
- Presented research findings at academic conferences and seminars, engaging with peers and faculty to discuss results to enhance research quality and impact.

Bioinformatician   May 2024 – February 2025
Texas A&M Agrilife   *Stephenville, TX*
- Implemented Bash scripts to automatize analyzing DNA sequence reads using terminal-based bioinformatics tools
- Built and managed multiple lab computers and ensured accuracy and integrity of sequencing for publication results

Patient Access Specialist   February 2023 – May 2025
Surepoint - Emergency Center   *Stephenville, TX*
- Primary contact for patients entering the ER. This included using a customer relationship management system.
- Processed and organized patient records using electronic health record systems, and managed financial transactions.

Acting Center Management   October 2021 – January 2023
Mathnasium   *Hurst, TX*
- Management experience at math tutoring facility K-12.

PROJECTS

Microplastic-Polymer Interactions | *C, CUDA, OpenGL, Bash*   August 2024 – May 2025
- Contributed to the development of a CUDA-based N-body simulation of a microplastic-polymer interaction.
- Collaborated with a team to define requirements, design features, and refine the simulation tool to align with goals.

Capstone - Botnet Traffic Detection Analysis Program | *Python, PyQt6, Sklearn*   January 2025 – May 2025
- Created a GUI to test botnet datasets using multiple ML and DNN algorithms to analyze statistical output.
- Currently a work in progress.

TECHNICAL SKILLS

Languages: Python, C, Bash
Developer Tools: Git, Visual Studio, Linux, VS Code
Libraries: Cryptography, Sklearn, Matplotlib, NumPy, Pandas, PyQt6, CUDA
Personal: Communication, IT foundation, documentation, willingness to learn

CERTIFICATIONS

Basic Life Support(BLS) Expires: February 2027
Security+ Current class permits my acquisition of it in May.

EDUCATION

Tarrant County Community College - GPA: 4.0   Hurst, TX
                                                                 August 2021 – December 2022
- 36 credit hours completed
- Phi Theta Kappa (honor society)
- Vice president of award winning Chemistry Club and treasurer of the Infinity Math Club

Tarleton State University - GPA: 3.84   Stephenville, TX
                                                                 Janurary 2023 – May 2025
- B.S. in Cybersecurity, minor in mathematics
- Vice President of Tarleton Mathematics Club and Vice President of Tarleton Computer Society
- Notable Achievements: President's List 2 times; Tarleton RIED Symposium 1st Place 2025