ERIC WARD

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EDUCATION & TRAINING

Texas Tech University, Whitacre College of Engineering, Lubbock, Texas *December 2023*

B.S. in Computer Science

Minor in Mathematics

Relevant Coursework: Software Engineering, Computer Networks, Operating Systems, Circuits

Overall GPA: 3.379

Google Cybersecurity Professional Certificate *February 2024*

CompTIA Security+ Certification *March 2024*

SKILLS

Programming Languages

- Python
- C
- C++
- Java
- SQL
- LaTeX
- MATLAB
- HTML
- JavaScript
- CSS

Tools, Technologies, Methodology

- Linux
- Docker
- GitHub
- Jira
- Visual Studio Code
- Wireshark

RELEVANT EXPERIENCE

Oak Ridge Associated University - Department of Homeland Security

Fastplan: A Portable and Automated Framework for Accelerating Disaster Response May - July 2023

Software Developer *Center for Accelerating Operational Efficiency (CAOE), Tempe, AZ*

· TTU research team partnered with DHS on a project to develop a prototype android app for drone-based search and rescue operations to assist first responders in locating survivors after natural disasters.

· Through the use of MATLAB, I developed point-of-interest clustering and path optimization algorithms to automate drone flight.

· This research led to the publication of 'Fastplan: A Portable and Automated Framework for Accelerating Disaster Response' in the peer-reviewed journal ScienceDirect

INDIVIDUAL AND ACADEMIC PROJECTS

Texas Tech University August - December 2023

Senior Capstone Project *Lubbock, TX*

· Collaborated with Lockheed Martin to develop a Large Language Model, streamlining the search and implementation of Air Force Technical Orders Management specifications and directions.

· The project utilized Docker, Python and BERT to create a low-resource solution.

Personal Portfolio Website - nebulaeric.github.io April - May 2025

Web Development *Houston, TX*

· Developed a personal website to showcase projects and provide insight into my background and skills.

· Built the website using HTML, CSS, and JavaScript to gain hands-on experience with core web development technologies.