

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 and BERT to create a low-resource solution.
- Personally worked with Flask, HTML, CSS, and JavaScript to create a clean and professional UI.

Texas Tech University

January - May 2023

Software Engineering

Lubbock, TX

- Collaborated within a team to develop a comprehensive movie booking system, enabling customers to create accounts and seamlessly reserve movie tickets.
- Responsible for creating the back-end using C++, creating classes for the customers and their transactions that would be sent to our SQL database.