

HIEU ETHAN DOAN

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🐙 github.com/EdoanRadiance **Active Security Clearance: Top Secret/SCI**

Education

The University of Texas at San Antonio

Aug 2021 – May 2025

Bachelor of Science in Computer Science

The University of Texas at Dallas

Aug 2025 – May 2027

Master of Science in Cybersecurity

Technical Skills

Languages: Python, C, Java, SQL, Shell, JavaScript, CSS, HTML, LaTeX, Tapestry

Developer Tools: AWS, Git, Android Studio, VS Code, Adobe Dreamweaver, Eclipse, SVN, JMeter

Technologies/Frameworks: ReactJS, Flask, PyTorch, Scikit-learn, NumPy, Pandas, Seaborn, TensorFlow, Keras

Databases: MySQL, AWS, SQLite, SQLyog

Concepts: SWE, Cloud, Github, DevOps, Agile, Scrum, AI, Machine Learning, Networking, JIRA

Experience

Gamigo Group

May 2025 – Present

Software Engineering Intern - Web Technology Team

On-SITE Austin, TX

- Improved and maintained the main **Java** code base, collaborating with QA to troubleshoot and resolve bugs, ensuring stable releases and reducing development delays by **20%**.
- Integrated **SQL** operations with **Java**-based debugging workflows to verify data flow, diagnose functional issues, and accelerate bug resolution.
- Key programming contributor in upgrading the company's account security measures to meet **PCI DSS 4.0** compliance requirements
- Wrote and utilized Apache JMeter scripts to automate testing of project functionality improving validation efficiency and speed by **100%**
- Utilized CSS, HTML, and TML to make visual and functional improvements to the company website and content management platform.

Radiance Technologies - JBSA 5G INIT

Jun 2022 – Jul 2024

Network Engineering Intern

On-SITE Joint Base San Antonio

- Collaborated with the 5G Core Capabilities and 5G Security program to design, deploy, and evaluate secure Department of Defense (DoD) 5G network solutions for mission-critical environments.
- Researched, configured, and implemented **5G** cellular network simulations using **VMware** and **Linux**-based virtual machines; deployed two end-to-end network iterations to validate **performance**, **scalability**, and **security** in controlled environments.
- Assisted in the management, testing, and maintenance of **Cellular on Light Trucks (COLTs)** systems, a prototype system for the deployment of 5G in the field.

Projects

Phishing URL Detection AI

| *Python, Scikit-Learn, TensorFlow, Flask, GitHub*

- Developed a machine learning-powered web application for detecting phishing URLs using decision trees and deep learning models, achieving a **96%** accuracy rate in classification.
- Engineered a feature extraction pipeline to analyze **29** URL attributes, leveraging domain-based, HTML/JavaScript-based, and statistical features for enhanced detection.
- Implemented a hybrid detection model combining handcrafted features with deep learning, improving identification of false positives and false negatives.

Foodie E-Commerce System | *React, Node.js, Express, MongoDB, AWS (EC2, S3), GitHub*

- Collaborated in developing a dynamic online shopping platform utilizing **React** for the front-end and **Node.js** with Express for back-end services, ensuring a responsive user interface and efficient server-side operations
- Integrated **MongoDB** for scalable data storage, deploying it on AWS to leverage cloud services for enhanced performance, reliability, and scalability.
- Utilized **AWS** EC2 instances for application hosting and AWS S3 for media storage, optimizing performance and scalability.