

Danny Tran

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EDUCATION

The University of Texas at Austin

B.S in Computer Science; Minor in Business

May 2025

GPA: 3.74

EXPERIENCE

Accenture | Summer Security Analyst

Houston, TX | June 2024 - August 2024

- Worked with a team to run scans and go over reports about CVEs and risks for a regional healthcare entity
- Generated security software reports by examining the tools, conducting tests, and interviewing the teams responsible for their management, enabling project leads to identify underutilized software
- Developed scripts to automate scanning over 8000 different products and identify EOL or outdated versions

Accenture | Summer OT Security Analyst

Houston, TX | June 2023 - August 2023

- Collaborated with a team to provide a proof of concept for a multi-million dollar project for a proposal to replace a nationwide network infrastructure for an energy company to improve security and availability
- Worked in a server lab environment utilizing VMware ESXi to showcase proof of concept
- Prepared documentation outlining the proof of concept to provide an instructional manual for client use

UT Austin | Elements of Computing, Teacher Assistant

Austin, TX | August 2022 - May 2023

- Provided support and guidance to students in the CS minor course, focusing on fundamentals in Python
 - Held office hours to assist students, ensuring comprehension of technical concepts and best coding practices
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PROJECTS

D&D Organizer Web Application - <https://dannydktr.github.io/Parchment/>

April 2023

- Collaborated in a group to design and develop a React web app for D&D Dungeon Masters, streamlining note and image organization for hosting game sessions
- Utilized Firebase APIs for user authentication and implemented a dynamic database that displays user content

Crime Predicting Machine Learning Model

April 2023

- Worked in a group to leverage crime data from 2020 to develop several models to predict the type of crime a person would encounter given their features with an overall accuracy of 76%
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EXTRACURRICULARS

Homelab | Hobby

July 2024 - Present

- Engineered and oversaw a dynamic home lab environment integrating virtualization technologies

UT Bug Bounty Program | Hobby

April 2024 - Present

- Participated in UT's bug program to discover and report web vulnerabilities such as XSS, helping secure web infrastructure and developing skills to enumerate and exploit webpages

Texas Cybersecurity Clinic | Student

February 2024 - Present

- Participated in a program with the Strauss Center that offered cybersecurity experience for students
- Worked in a team in assisting the City of Austin to improve security posture and develop new incident response policies

Hack The Box Machines/Academy | Hobby

May 2023 - Present

- Developed experience in compromising insecure machines or solving security-related challenges to capture flags, developing scripts and using tools to develop valuable experience in red-teaming and code analysis

ISSS – Information & Systems Security Society | Vice President and Engineering Officer

August 2022 - Present

- Planned and help hosted events and workshops to inform students on cybersecurity opportunities and topics
 - Maintained AWS infrastructure and developed CTF challenges using Docker to help develop participants' skill in problem solving and technical experience
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SKILLS

Languages/Frameworks: Java, C, C++, Python/Flask, JavaScript/React, Json, HTML/CSS, Bash

Technologies: Firebase, Github, Figma, VMWare, VirtualBox, AWS, ProxMox, Microsoft Excel, PowerPoint, Docker, UE5

Certifications: CompTia Security+, AWS Solutions Architect, AWS Cloud Practitioner