

Alexander Economy

Objective

To safeguard enterprises from cyber threats by identifying vulnerabilities, educating on security best practices, and performing red team exercises to enhance client security.

Skills & Accolades

- Proficient in C++ / C / C# / Assembly / Rust / Python / Bash & PowerShell Scripting
- Linux and Windows server deployment and administration (Ansible / Terraform)
- Application (Web, API, Thick client, Mobile) and network (internal, external, red and purple team) testing methodology
- Collegiate Cyber Defense Competition (CCDC)
 - 2019 - Blue team regionals placement - Southwest region
 - 2024 - Red team qualifiers and regionals volunteer to perform adversarial simulation - Southwest region

Experience

PricewaterhouseCoopers

Cyber Defense and Engineering Senior Associate

Jan 2022 - Present

- Lead penetration testing efforts on numerous application and network (internal, external, and purple team) penetration testing resulting in over \$3.5 million in work won from various clients including Fortune 500
- Served as Research and Development lead for red team methodology and internal firm security tools and attack frameworks
- Developed and maintained training lab environment including latest and greatest Active Directory and Windows/Linux attack paths
- Instructed yearly training for new team members for both application and network security assessments

Cyber, Risk, and Regulatory Associate

Aug 2019 - Jan 2022

- Conducted extensive application penetration tests to identify vulnerabilities and enhance security posture
- Prepared and Presented enterprise/regional Threat Intelligence reports to cover global cyber threat landscape for a Fortune 500 energy company
- Assessed clients' compliance using PCI-DSS and NIST frameworks
- Developed, created, and hosted challenges for PwCTF 2020 - a collegiate cyber capture the flag competition

Education & Certifications

Offensive Security Certified Professional (OSCP)

Attained Dec 2021

University of North Texas | Denton, Texas

Graduated May 2019

BS in Computer Science

GPA Major: 3.89

GPA Overall: 3.67

Competition and clubs:

- Top 100 National Rank in the National Cyber League (NCL) 2018 Fall Regular Season
- Member of the UNT Cybersecurity Club