Jerry Teng

Security Engineer with experience in **cloud security** and developing **security automation** tools.

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Education

University of Texas at Dallas — Richardson, TX

M.S. in Computer Science, Cyber Security Track | GPA: 3.73/4.0 — *Aug. 2021 - May. 2023*

B.S. in Computer Science | GPA: 3.96/4.0 — *Aug. 2019 - Dec. 2022*

Skills

Programming: Python, JavaScript, Go

Cloud & Infra: AWS, Terraform, Docker, Ansible, GitLab CI, Linux

Security: Semgrep, Snyk, Tenable, Ghidra, Burp Suite, Nmap

Experience

Flatiron Health (Roche) — New York, NY

Security Engineer (Vulnerability Management) — *Aug. 2023 - Present*

- Led evaluations, created rollout plans, and managed vendor relations for SAST, SCA, and ASPM tools
- Managed risk for EOL, patching, and external pentest findings and participated in triage rotation for new critical vulnerabilities
- Designed a hierarchical vulnerability ownership model, enabling a scalable, data-driven approach to quantifying risks across applications and teams
- Automated AWS asset inventory discovery using Python, expanding tooling coverage of new infrastructure and minimizing documentation time
- Created Splunk dashboards integrated with internal APIs to track Windows patching status by system and team, improving visibility for leadership, and driving org-wide patching adoption

Security Engineering Intern — *June 2022 - Aug. 2022*

- Wrote Semgrep static analysis rules to enforce Terraform security guardrails (IAM, resource configs)
- Built pre-commit hook and Jenkins pipeline to enable code scanning across internal repositories, cutting manual review effort
- Automated MR reviewer assignment via integration with the GitLab API, shortening review delays

UTD Systems Security Lab (Dr. Kangkook Jee) — Richardson, TX

Undergraduate Researcher — *Aug. 2021 - Jan. 2023*

- Developed the end-to-end pipeline for an NLP-based Python decompiler (pylingual.io) using Hugging Face [Black Hat USA 2024]
- Benchmarked decompilation performance on 400k+ samples, achieving a 90%+ success rate on new Python versions

Zscaler — Remote

Cloud Engineering Intern — *Sept. 2021 - Dec. 2021*

- Developed Terraform modules for AWS IAM and Config resource deployment, streamlining customer onboarding onto the CWP product
- Architected cross-account/region deployments with Terragrunt and GitHub Actions, improving reusability and scalability

CrowdStrike — Remote

Vulnerability Management Intern — *June 2021 - Aug. 2021*

- Implemented a distributed network scanning system in Go, utilizing Masscan and Nmap to identify exposed hosts and services from both internal office networks and the public internet
- Correlated scan results with asset inventory APIs, providing clear ownership context for each system
- Built Domo ETL pipelines and dashboards to transform complex scan data into actionable exposure insights

Projects

Virtual TA (UTD Capstone Project) — *Aug. 2022 - Dec. 2022*

- Led the development of a machine learning-based chatbot for Dr. Anjum Chida's algorithms classes
- Implemented Rasa to manage conversation flow, classify user intent, and answer algorithmic runtime questions using custom Python callbacks
- Leveraged the Haystack framework with a retriever-reader system to enable intelligent searches of the textbook and course documents