Erik Otto Kriz

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Education

University of Connecticut | Bachelor of Science in Engineering MAY 2021

Major/Focus: Computer Science and Engineering / Cybersecurity | Minor: Mathematics | GPA: 3.59

Related Courses: Network Security, Computer Security, Systems Programming, Cryptography, Software Design

Technical Skills

Application and Systems Programming: Python, C, C++, HTML, CSS, Django, Asyncio, tkinter, Linux Systems, BeautifulSoup, Office Suite

Network and Computer Security: Building of network firewalls, Encryption of data, and Crypt-analysis of secure communication systems.

Repositories: Git, GitHub

Objective

Seeking opportunities in Network and Computer Security related fields in order to further my abilities in the protection of information, both stationary and in transit.

Work Experience

Office Intern | Claris Construction MAY 2018 - JUNE 2018

- Worked within the IT department, with duties such as maintaining their web servers and organizing a database of files from completed projects.
- Worked in a team based environment which involved participating in weekly time management meetings, planning out both weekly and long term work goals for the company.
- Assisted architects with on-site clerical work by ensuring that buildings up for potential renovation matched their blueprints exactly, preventing any mishaps during construction.

Bartender | Panther MT. Pub MAY 2017 - AUG 2018

- Applied excellent organizational and multitasking abilities to handle simultaneous customer, team and business needs while avoiding unnecessary delays or errors.

Relevant Projects

DNS Poisoning: In a lab environment, able detect DNS requests and falsely respond to poison users DNS cache, redirecting any website name (ex: google.com) to an IP address of a malicious machine.

Website Encryption for Non-Authenticated Users: On a flaskr website where authenticated users create text posts, created a system which allows posts to be encrypted from non-authenticated users. Data is stored encrypted and only decrypted as a verified authenticated user opens it; non-authenticated users only see ciphertext.

CSRF and XSS Attacks*:* In a lab environment and with a social media website, created statuses with HTML code injected which, when viewed, are able to change the profiles of the people who view them. In addition, built a second, malicious site which, when visted by a user with an authentification cookie for social media site, is able to change the profile of the person who visited the malicious site