Title: Improving error detection and data representation for perimeter defenses
Description:
The School of Computing currently monitors our network traffic to better understand data usage, plan for capacity needs, detect anomalies, and mitigate attacks. This project will enhance our current system by improving the web front-end, improving the stability of the production system, and by introducing collection algorithms to better detect and report anomalies.

Systems knowledge covered in CISC 220 as well as understanding of web technologies covered in CISC 282 would be good starting points. Knowledge of PHP, JavaScript, bash, csh, and a solid understanding of command line Linux are beneficial.