2025 EECMS Summer Internship Application Form

Main Supervisor	Reza Ryan
Other supervisors (if applicable)	Nickson Karie
Project Title	Cyber-Range host creation
Student location(s) for the project	
Duration of project	Eight weeks
Project Description	The creation of Virtual Machines (VMs) for the cyber range experiment is a critical task that is essential to expand the cyber range by incorporating hosts of various types, including Windows, Linux, and possibly macOS. These hosts should encompass a variety of builds to simulate diverse environments and should be intentionally configured with exploitable flaws to provide realistic scenarios for penetration testing and cybersecurity exercises. The VMs need to be created in Microsoft VHD (Virtual Hard Disk) and VHDX (Virtual Hard Disk v2) formats to ensure compatibility with various hypervisors and virtualization platforms. Deliverable outcomes: Vulnerable Virtual Machines (VMs): Minimum 8 Windows, 7 Linux