Kyle Leonard

CS 499 Professional Assessment

I am a results-driven, highly motivated individual seeking mastery in cybersecurity and network administration. I thrive in team settings and have the capability of motivating those around me while maintaining a unified atmosphere.

My time spent studying computer science at Southern New Hampshire University afforded me enough knowledge to begin my career in cybersecurity. As a junior I began my internship in the Device Engineering department at the Center for Internet Security. Nine months after joining the team as a green intern with no IT experience, and prior to completing the computer science program at SNHU, I was hired as a full-time Support Specialist. In this role I am the team’s lead support contact and I troubleshoot our 500+ Albert sensors, the company’s flagship Intrusion Detection System. I am also training new hires in our expanding team.

The degree program at SNHU taught me countless valuable lessons that directly apply to my growing capabilities as a cybersecurity professional. For example, the Introduction to Linux course, IT 255, taught the basics of Linux bash shell commands. This rock-solid foundation immediately improved my general marketability in the industry, and more specifically made me a more capable intern and professional. In this Final Project I demonstrate how I was able to transform a simple, limited-use bash script from IT 255 into a more useful and complex script, which incorporates compression and encryption, but also how I transformed the default environment into a more secure and hardened file system.

Another example of my improved capabilities as a direct result of the program is seen in the securing of my MySQL environment. The Introduction to SQL course, DAD 220, taught the basic concepts of MySQL databases, tables and queries, and the associated CRUD commands (Create, Read, Update, Delete). In this Final Project I address security concerns and improvements related to database access and control, and I a resolve a common vulnerability that allows arbitrary file system access through MySQL.

My ePortfolio on GitHub: <https://github.com/cybersec0322/kleonard.github.io>