**Cybersecurity Research Assistant 4 – Graduate (Cybersecurity)**

Research Assistant is responsible for conducting research related to cybersecurity, assisting with tutoring and grading, writing scripts, and actively participating in cloud-based IT activities, with minimal supervision of a faculty member. Duties may include, but are not limited to:

* Performing diversified research duties of moderate complexity related to cybersecurity in support of the program, including collaborating with faculty which may include performing a large number of distinctly different research functions involving several procedural steps.
* Conducting literature reviews to stay informed about the latest developments and advancements in cybersecurity.
* Designing and conducting experiments, surveys or data collection methods of various levels of complexity related to cybersecurity research and overseeing student employees performing diversified duties of average difficulty
* Collecting and arranging data, maintaining records, preparing graphs and tables, and assisting with complex report preparation.
* Analyzing and interpreting research findings, contributing to the overall research effort.
* Adjusting known methods, techniques and procedures and recommending methodological and procedural changes.
* Entering or retrieving computer data or preparing computer related documentation.
* Helping to diagnose, troubleshoot, and maintain research and lab systems, often independently and with high complexity
* Grading undergraduate coursework and tutoring, as needed
* Utilizing GitHub to create and develop efficient and effective computer scripts that enhance the work of the position, including accurate evaluation of student work and instant feedback
* Composing letters of inquiry to information sources.
* Assisting in preparing grant proposals by contributing to the development of research and/or programmatic plans, methodologies, and budgeting.
* Performing other related duties as assigned or required.
* Developing laboratory experiments.
* Build virtual machines necessary for developed labs.
* Write lab solutions.
* Outline lecture notes

This position will report to *the Cybersecurity Program* and *Dr. Stu Steiner.*

This position will work *20 hours per week.*

**Required Qualifications:**

Applicants must be enrolled as a graduate student.

Applicants must have an undergraduate degree or demonstrated work experience in an area closely related to the job duties.

Applicants must have a minimum college GPA of *3.2.*

Applicants must be familiar with the most current research in the subject.

Applicants must have the ability to be proficient in the operation and utilization of GitHub.

Applicants must have the ability to be proficient in the operation and utilization of TryHackME.

Applicants must have demonstrated experience/training re: cloud-based activities.

Applicants must be familiar with the most current survey methods and methodologies.

Applicants must have a professional demeanor and the ability to effectively communicate with a diverse population via email, phone, or in person.

Applicants must have the ability to think independently, to be self-motivated with initiative, have the ability to problem solve, be detail oriented and able to enter data and prepare graphs, tables, and complex reports with accuracy.

Applicant must be able to work with others at all levels, have a professional demeanor, excellent interpersonal skills, strong oral and written communication skills, and emotional intelligence.

Applicants must be able to apply advanced knowledge of a wide range of principles, concepts and practices related to the assigned areas of cybersecurity, script-writing, and cloud-based activities gained through extensive experience and skill and be able to apply this knowledge to the complex work required by this position.

Applicant must be able to manage conflict, collaborate and work effectively both independently and as a member of a team.

**Preferred Qualifications:**

Certification in Cloud Based Activities

Prior experience with GitHub

Prior experience with TryHackMe

Prior experience and knowledge of computer networking concepts and protocols, and network security methodologies.

Prior experience in collecting data from a variety of cyber resources.

Prior experience in conducting research, analysis, and correlation across a wide variety of all source data sets (indications and warnings).

**Student employees are subject to EWU’s employment Policies and Procedures and the EWU Student Code of Conduct. As a student employee, you are expected to adhere to both. Please be advised that violations of the EWU Student Code of Conduct may affect your employment on campus, even if the conduct occurs beyond the scope of your job responsibilities.**

**All new employees must comply with EWU immunization Policy 602-02 and provide proof of immunity or vaccination to MMR before beginning work at EWU. Waivers for the immunization requirements are available for medical or sincerely held religious beliefs.**

**This position, during the course of university employment will be involved in the receipt of, or accountability for, university funds or other items of value; as well as the unsupervised access with the developmentally disabled, vulnerable adults or children under the age of 16. The offer of employment is contingent upon successful completion and passing of a background check prior to beginning employment.**

**Pay Range L**