



## **Malware Focused Analyst Intern – *Malware and Cyber Threats Program***

**Who we are:** The National Cyber-Forensics & Training Alliance (NCFTA) is a Pittsburgh based globally focused non-profit corporation committed to identifying, mitigating, and neutralizing cybercrime threats. The NCFTA serves as a clearing house for real time cyber and cyber enabled threat information sharing between subject matter experts in the public and private sectors. Through these partnerships, the NCFTA proactively identifies cyber threats to help its partners take preventive measures to mitigate and neutralize those threats. For more information see [www.ncfta.net](http://www.ncfta.net).

**About the Program:** As an NCFTA intern, you will participate in a 12-week paid “real world experience” internship program that will help you enhance your professional development and academic goals. A successful intern candidate will get the opportunity to work with our Malware and Cyber Threats Team whose objective is to conduct research in our onsite malware lab into the latest network cyber threats involving malware, ransomware, mobile vulnerabilities, and new emerging variants.

**What you will do:** As a Malware Focused Analyst Intern, daily, you will analyze different malware and ransomware variants. You will use NCFTA’s various tools, resources, applications, policies and procedures in your daily tasks and research.

### **Required Qualifications:**

- Strong desire to analyze malware (static and dynamic) and decrypt ransomware
  - Understand unpacking, de-obfuscation, and anti-debugging techniques
- Strong critical thinking and problem-solving skills; enjoys thinking outside box
- Highly intuitive; having that “third eye”
- Excellent writing skills (for writing technical reports, security policies/recommendations, etc.)
- Tools knowledge:
  - Debuggers
  - Disassembler (IDA Pro)
  - System Monitors (like Process Monitor)
  - Network Monitors (like TCP View, Wireshark)
- Must be a currently enrolled undergraduate or graduate student. Major studies in areas of consideration: International Affairs/Politics/Relations; Intelligence/Security Studies; Computer Science; Information Security; Business Intelligence or related fields. Other majors are considered on a case-by-case basis
- Must be legally authorized to work in the United States and be eligible for a U.S. Government security clearance

**Candidate Skills:** While applicants come from a range of academic backgrounds, the most competitive applicants also should possess the following:

- Flexibility and adaptability
- Take initiative and be self-motivated
- Work well with others and have strong interpersonal abilities
- Good judgment and decision-making skills

**Location:** In-person, Pittsburgh, PA Office (this is NOT a remote position)

### **Internship Sessions:**

September - December

January – April

June – August

**Deadline to Apply:** Open

**How to Apply:** Resumes should be directed to: [HumanResources@ncfta.net](mailto:HumanResources@ncfta.net). Please include:

- Your resume
- A cover letter in which you specify your qualifications for the position and address why you want to intern as an analyst