UNLV
ENGINEERING
CAREER SERVICES
HOWARD R. HUGHES COLLEGE OF ENGINEERING

REVERSE ENGINEER

Posting ID: MA17717496

Company: LGS Innovations

Company Website: https://www.lgs Innovations.com/

Work Location: Westminster, CO

Salary:

Position Type: Full-Time

College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)

College Level(s): Undergraduate-Senior, Graduate Student, PhD. Student

OVERVIEW

LGS Innovations, a leader in solving the most complex networking and communications challenges, is seeking a System Test Engineer III for our Westminster, CO office location.

In this position you will: Under minimal direction, perform research, analyze software implementations and perform reverse engineering to reverse software binaries into a format that can be deciphered and analyzed to understand the architecture and design of the system.

LGS Innovations solves the most complex networking and communications challenges facing the U.S. Federal Government, state and local governments, foreign governments, and commercial organizations worldwide. LGS delivers groundbreaking research, and advanced networking and communications solutions that provide an information advantage that contributes to the mission and operational success of its customers. LGS Innovations is a U.S.-owned company headquartered in Herndon, Virginia, with offices nationwide. We provide our employees with competitive compensation packages and a full range of benefits, including vacation, medical, dental, life insurance, a 401(k) plan, tuition assistance, Employee Assistance Program (EAP), and paid parental leave.

Roles and Responsibilities
Research and analyze software binaries for platforms where source code is not available
Research solutions to challenging cyber security and computer networking problems
Identify and evaluate security strengths and weaknesses
Perform reverse engineering on Windows, Linux and other embedded platforms
Perform forensic analysis of malware in support of incident response activities
Design, implement and test tools and techniques as an individual or as part of a small team
Develop relationships with customers collaborating to identify new challenges to resolve
Present and demonstrate to customers
Identify, create and propose new research projects
Travel to other LGS locations or customer sites as necessary
Understand and adhere to all LGS Ethical and Compliance policies

Marian Mason | Internship & Career Services Coordinator | coecareer@unlv.edu | https://unlv.edu/engineering/jobs
UNLV, Howard R. Hughes College of Engineering
Proactively ensure a safe work environment and adhere to LGS EH&S policies and procedures
Perform other duties as required
Obtain/retain a government security clearance at the level to perform the duties of the position

**Education and Qualifications**
To be considered for this position, you must minimally meet the knowledge, skills, and abilities listed below:

BS in Computer Science, Computer Engineering or Electrical Engineering and 4-6 years of related experience or an equivalent combination of education, skills, and experience
Ethical hacking skills and experience with reverse engineering tools like IDA Pro, Ollydbg, gdb
Computer science and networking background including knowledge in IP networking, cyber security and software development
Strong software development skills and demonstrated experience in current languages such as C, C++.
Experience with Linux operating systems at all layers (boot, kernel space, user space)
Compiler construction
Assembly language knowledge across a wide spectrum of processors
Knowledge and understanding of JTAG
Hardware in-circuit debugger familiarity

**Preferred Skills**
Candidates with these desired skills will be given preferential consideration:

Experience in current reverse engineering tools: IDA Pro, Ollydbg
Ability to generate software tools to support/supplement existing toolset

Equal Opportunity Employer/Veterans/Disabled

**How to Apply**
[https://lgsinnovations.employeereferrals.com/jobs/121421](https://lgsinnovations.employeereferrals.com/jobs/121421)