INTERN - VREALIZE NETWORK INSIGHT

Posting ID: IN20230480

Company: Dell

Position Type: Full-Time

College Major(s): Computer Science (CS)

Company Website: https://www.dell.com/en-us

Work Location: Palo Alto, CA

Salary:

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

OVERVIEW

VMware is a global leader in cloud infrastructure and business mobility. VMware accelerates customers’ digital transformation journey by enabling enterprises to master a software-defined approach to business and IT. With VMware solutions, organizations are building extraordinary experiences by mobilizing everything. Our customers are responding faster to opportunities with modern data and apps hosted across hybrid clouds, and safeguarding customer trust with a defense-in-depth approach to cybersecurity.

At the core of what we do are our people who deeply value execution, passion, integrity, customers, and community. Do you dare to do the stuff you’ve always dreamed about? Dare to explore at http://careers.vmware.com.

VMware offers cutting-edge cloud infrastructure and security services to companies of all shapes and sizes. Our world is all about technology, and that world is growing because the imagination, ingenuity and talent of our teams knows no bounds. We believe that creativity sparks innovation and inspires our employees to think of VMware differently and change the world around them.

VMware Company Overview: At VMware, we believe that software has the power to unlock new opportunities for people and our planet. We look beyond the barriers of compromise to engineer new ways to make technologies work together seamlessly. Our cloud, mobility, and security software form a flexible, consistent digital foundation for securely delivering the apps, services and experiences that are transforming business innovation around the globe. At the core of what we do are our people who deeply value execution, passion, integrity, customers, and community. Shape what’s possible today at http://careers.vmware.com.

Roles and Responsibilities

As an Intern at VMware, you'll create innovative solutions and solve complex problems. You'll take ownership of meaningful, big-picture projects and springboard into an impactful career. At VMware, you will become immersed in all aspects of our innovative and collaborative culture,
and ensure you get the full VMware experience. You'll interact with industry thought leaders at one of our world class campuses and enjoy networking, community service, and career development events.

At this position, you would be part of the vRealize Network Insight team, working on novel applications of network analytics, verification, and machine learning to enable operations of virtual and physical network infrastructure. The team has a startup culture, formed of two pioneering startups (Arkin and Veriflow) recently acquired by VMware. You’ll work alongside founders, PhDs, IITs and seasoned network industry engineers.

**Education and Qualifications**

- Pursuing Bachelor's, Master's or PhD in Computer Science or equivalent

- Coursework (in some) of the following: Algorithms, Data Structures, Storage and/or Operating Systems, Computer Architecture, Machine Learning, Compilers, Networking, Distributed Systems, Analytics, Web Development

- Knowledge in one or more of the programming languages: C, C++, Java, or Go programming

- School and/or industry projects involving significant design and development

**Preferred Skills:**

- Experience developing client-server or distributed, multi-threaded applications

- Experience with network verification or formal verification technology

- Experience developing user space and kernel modules

- Exposure to SaaS or FaaS, modeling/optimization techniques

- Previous internship experience is a plus

- Ability to work independently

- Strong teamwork and communication skills

- Knowledge of availability/fault domains

- Knowledge of ML/heuristics analysis

- Knowledge of Python, Perl, shell, or other scripting languages

- Exposure to container technologies - container orchestrators (Kubernetes, Mesos, Docker Swarm Mode) is a plus

- Experience with cloud-based services, microservices, a cloud computing class or similar experience

Marian Mason | Internship & Career Services Coordinator | coecareer@unlv.edu | https://unlv.edu/engineering/jobs
UNLV, Howard R. Hughes College of Engineering
• Knowledge of NoSQL technologies (e.g. Cassandra, MongoDB, Redis, etc.) and/or search-based datastores and libraries (Lucene, Solr, etc.)

Preferred Skills
• Willingness to contribute to open source projects is a plus

How to Apply