Fall 2020 Internships
Major Motion Picture Company
Application Deadline: Friday, July 10

Internships Overview:

- Anticipated Start Date: September 14

- Internship Length: Approximately 10 weeks

- Schedule: 40 hours per week

- Location: Burbank, CA with the possibility of working from home

The following internship positions are available:

- [Mastering, Archives and Localization Technologies (MALT) Intern](#)

- [Information Security Analyst Intern](#)

- [Data Analyst Intern](#)

- [Neurotechnology Intern](#)

Mastering, Archives and Localization Technologies (MALT) Intern

The Technology Group of this Major Motion Picture Company is seeking an intern for the MALT software engineering team. This internship is intended to provide meaningful and practical work experience to someone interested in software engineering and Development Operations for the Technology Group.

The duration of the internship is approximately 10 weeks. The Intern will contribute to the development of operational tools for the Digital Archive platform and will work with the team to add new features and capabilities.

These tools will be used in a production setting on a daily basis by operational teams to improve operational efficiency. Examples of this may include creation of an API and UI that allows for the ingestion of localized metadata from internal operations groups and vendors.

Some of the duties will include:
- Writing both code and unit tests for any bugfixes / improvements to the Digital Archive APIs
- Working with a mentor and the team to design additional UIs and APIs, with close emphasis on best practices on interface design
- Participating in daily standup meetings and working closely with engineering and product to help eliminate support issues
- Active participation in code reviews and understanding a product-driven development pipeline
- Writing some recipes in CloudFormation in writing infrastructure as code in provisioning resources within AWS
- Reading API documentation and implementing client calls for external APIs possibly involving Machine Learning or Image Recognition

Qualifications
- Must be enrolled as an undergraduate student in a college or university and in good academic standing (3.0 GPA or higher) or have completed an undergraduate program in a college or university with a 3.0 GPA or higher
- College major focused on Computer Science, Math or Engineering
- Must be reasonably proficient in a mainstream programming language with preference for node.js or python
- Experience with AWS is preferable

Knowledge/Skills
- Must have proficient computer skills; Proficiency in MS Word, PowerPoint, Excel and Outlook preferred
- Must be detail-oriented
- Able to communicate clearly with manager and colleagues
- Ability to work on multiple projects concurrently

Information Security Analyst Intern

This position supports the CyberSecurity Office (CSO) of a Major Motion Picture Company. The position collaborates with internal business units, 3rd party vendors and the CSO departments. The position designs, builds and supports all new and existing Information Security networks, applications and systems. Lastly, this position will collaborate on the development of business unit applications, end user hosts, security monitoring and incident response tactics, tools and techniques.

PROGRAM/PROJECT OVERVIEW:

JOB RESPONSIBILITIES:
1. Security Engineering
   a. Identify and define system security requirements
   b. Conduct and or administrate Windows and Unix security vulnerability assessments
   c. Integrating security controls into new systems and applications
   d. Develop maintenance plans for information security services
   e. Research product and technical data for ongoing projects
2. Compliance
   a. Assist in the review of security controls for systems and applications
   b. Assist in the conducting of risk assessments on systems and applications
3. Incident Response
   a. Conduct analysis on system logs and malware
   b. Assist in the reporting and tracking of on-going investigations
4. Assist in the implementation of information security strategies and solutions in support of CSO initiatives
5. Participate in projects and closing of assigned tasks to produce required deliverables

JOB QUALIFICATION STANDARDS:

Work or Comparable Experience
- Minimum 1 year of experience (work or study) in Information Security required
- Minimum 1 year of experience with TCP-based networking required
- Minimum 1 year of experience with Unix and Windows system administration required
- Minimum 1 year of support in Security systems preferred

Education, Professional Training, Technical Training or Certification
- One Security certification is required (Security +, Linux +, GCIA or equivalent)
- CISSP or equivalent preferred

Knowledge/Skills
- Technical Knowledge/Skills in the following areas:
  o Experience with Unix Bash, Python, and other programming languages
  o Experience with Firewalls (Palo Alto and Cisco)
  o Experience with Information Security Incident Response techniques
  o Experience in Linux system administration
  o Experience with Windows system administration

- o Understanding of commonly used protocols and services is required (e.g. SSL, TCP/UDP, WWW, FTP/SFTP, NTP, Telnet, NFS, SSH, LDAP, etc.)
- o Understanding of networking hardware; routers, switches, and load-balancers, F5
- o Understanding of network protocols and architecture (TCP/IP, WAN, LAN, etc.)
- o Understanding of virtual networking hardware including VMware vSphere, ESXi 4.x
- o Experience with securing cloud-based solutions (e.g. Amazon AWS, MS Azure, etc.)
- o Experience with securing remote operating systems and applications

- Functional Knowledge / Skills in the following areas:
  - o Experience in one (1) or more information security domain
  - o Experience with media, production and postproduction digital media systems and services is preferred
  - o Experience with on-line and mobile gaming systems is preferred
  - o Experience with ITIL based change methodology

Other Requirements
Must be able to pay close attention to complex detail and understand written and oral instructions
Must be able to organize and schedule work effectively once appropriate training provided
Must be able to work well under reasonable time constraints
Must be service-oriented
Must be able to work independently with instruction provided
Must be able to work flexible hours, including possible overtime, when necessary
Must be able to maintain confidentiality

Data Analyst Intern

The Data Analyst will work in the Sales Integration Group of a Major Motion Picture Company on reporting and analysis required to support the Home Entertainment Digital Business. This position will be part of the team responsible for analyzing and reviewing Digital POS (point of sale) vs. Royalty data to ensure our Retail Planning and Reporting teams have all the tools they need for meaningful sales analysis and reporting.

JOB RESPONSIBILITIES include, but may not be limited to:
1. Download customer digital royalty remittances and create a data repository for daily sales transactions.
2. Analyze and report variance between digital royalty remittances and daily "Point of Sale" transactions.
3. Build and execute system SAS and SQL programs to centralize daily Broadband Royalty transactions, and segment using pre-defined business segmentation rules
4. Assist in furthering the development of revenue pacing, sales reporting and Net Revenue Scorecard dashboards
5. Assist in streamlining various retail forecast models
6. Document SAS and SQL queries and develop/improve training materials
7. May perform other duties as assigned and explained by manager.

*JOB QUALIFICATION STANDARDS***:**

Work or Comparable Experience
- 1 + years of experience reviewing, analyzing and providing input on data quality either through work or school experience.
- Experience with creating Excel workbooks, filtering, pivot tables, macros and other functions
- Strong knowledge and practical application SAS and SQL Programs.
- Basic Tableau knowledge preferred
- Experience with data modeling preferred.

Knowledge/Skills
Technical Knowledge / Skills:
- Ability to learn how to use reporting tools after training received from Manager
- Experience managing data extracts preferred
- Working knowledge of Tableau preferred
- SAS/SQL experience preferred
- Experience with Excel required
Functional Knowledge / Skills in the following areas:
- Data analysis practices.
- Test Data Management Practices.
- Strong knowledge of Excel and Excel query functions.
- Demonstrated analytical, verbal, and written communication skills

Other Requirements
Must be detail oriented.
Must be capable of working with some level of autonomy after receiving instructions from manager
Must have aptitude for working in large data sets and data mining at a detailed level

Neurotechnology Intern

The Technology Group of a Major Motion Picture Company is seeking an intern for the Neurotechnology team. This internship is intended to provide meaningful and practical work experience to someone interested in software engineering and DevOps for the Technology Group.

The duration of the internship is approximately 10 weeks. The Intern will contribute in developing operational tools for the Neurotechnology platform and working with the team in adding new features and capabilities for streamlining and automating our QA processes.

Some of the duties will include:
- Blackbox manual testing
- Postman collection creation and scripting
- Contributing basic automation functional test cases to existing framework

Qualifications
- Must be enrolled as an undergraduate student in a college or university and in good academic standing (3.0 GPA or higher) or a graduate of a college or university with 3.0 GPA or higher
- College major focused on Computer Science, Math or Engineering.
- Must be reasonably proficient in a mainstream programming language with preference for node.js or python
- Some experience with AWS is helpful
- Experience with or the desire to learn: Postman, Linux, Jenkins, iOS and Android testing

Knowledge/Skills
- Must have proficient computer skills; Proficiency in MS Word, PowerPoint, Excel and Outlook preferred
- Must have the ability to communicate effectively with managers and colleagues
- Must have the ability to pay close attention to details
- Must be able to work well under reasonable time constraints
- Must be able to organize and schedule work effectively once appropriate training provided
- Must be able to work independently with instruction provided