

Miles J. Nielsen

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SUMMARY

Engineer experienced in manual and automated installation and testing with software and hardware. Has experience in camera testing and usage. Comfortable in regulated, fast-paced environments and working across multi-functional teams. Enjoys documentation and logistical support.

SKILLS

Languages: BASH, Python,

OS: Linux [Linux Mint, RHEL, Ubuntu], Unix [Solaris], QNX, Windows,

Applications/Tools: Imatest, JIRA, HQMS, LaTeX, LibreOffice, MS Office,

PROFESSIONAL EXPERIENCE

Northrop Grumman, (Sunnyvale, CA)

QA Analyst

07/20 – 07/21

- ◆ Conducted and maintained published procedures for the quality department to remain in compliance with both company and government requirements
- ◆ Conducted monthly meetings with other Procedure Coordinators to synchronize our efforts in documentation maintenance, address and close corrective actions found during internal audits
- ◆ Perform internal audits, document findings, and
- ◆ Participate in external audits, address and close any corrective actions found by the external auditor
- ◆ Capture and process pictures of any potential defects found during audits, as well as any proof that corrective actions have been made after the findings

Google, Inc. (Insight Global Solutions) (Mountain View, CA)

QA Camera Test Engineer

07/16 – 07/19

- ◆ Collected, conducted IQ analysis & comparisons of smart-phone camera images to support 'IEEE P1858: Standard for Camera Phone Image Quality (CPIQ)'
- ◆ Collected, analyzed IQ & AF images for Google Pixel & new home-product cameras
- ◆ Modified python scripts to improve automated image-capture and analysis
- ◆ Conducted psycho-physical study on perceived image quality using images altered in sharpness and color

Google, Inc. (Tekmark Global Solutions) (Mountain View, CA)

01/15 – 08/15

Camera Systems Support Tech II

- ◆ Assisted in commissioning, maintaining production clean-room including supply management & cleanliness to a 10k clean-room standard
- ◆ Coded Python scripts to support data processing & documentation
- ◆ Created, maintained documentation using LaTeX & MS Word

Lockheed Martin, Space Systems (Sunnyvale, CA)

05/09 – 05/13

System Integration & Test Engineer; Cleared DoD Secret

- ◆ Tested, verified Command & Data Handling subsystem for SBIRS GEO-1 & GEO-2 satellites through functional, vibration, & thermal-vacuum testing
- ◆ Performed functional, environmental, & acceptance tests on mirror Pointing Control Assemblies [PCA] for SBIRS GEO-3 & GEO-4 satellites
- ◆ Set up & tore down test beds for satellite hardware testing

EDUCATION

Alfred University (B.S., Electrical Engineering)