

# 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:** Iatest, JIRA, HQMS, LaTeX, LibreOffice, MS Office,

## PROFESSIONAL EXPERIENCE

**Facebook (Quest Global),** (Sunnyvale, CA)

Camera Test Engineer

12/21 – Present

- ◆ Responsible for developing test strategy, test cases for camera validation for Ray-Ban Stories glasses
- ◆ Offered input on what equipment would be needed for camera validation
- ◆ Reviewed initial camera validation strategy documents to better develop future camera validation strategies

**Northrop Grumman,** (Sunnyvale, CA)

QA Analyst

07/20 – 07/21

- ◆ Maintained published procedures for the quality department to remain in compliance with both company & government requirements
- ◆ Conducted monthly meetings with other Procedure Coordinators to synchronize our efforts in documentation maintenance & related issues
- ◆ Assisted in internal & external audits, documented findings, & verified corrective actions

**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 & analysis
- ◆ Conducted psycho-physical study on perceived image quality using images altered in sharpness & 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)