

# Miles J. Nielsen

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## SUMMARY

Engineer experienced in manual and automated installation and testing with software and hardware. Comfortable in regulated, fast-paced environments and working across multi-functional teams. Enjoys documentation and logistical support. Able to perform manual labor.

## SKILLS

**Languages:** BASH, Python,

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

**Applications/Tools:** Iatest, JIRA, LaTeX,

## PROFESSIONAL EXPERIENCE

**Google, Inc. (Insight Global Solutions) (Adecco Group)** (Mountain View, CA) 07/16 – 07/19  
QA Camera Test Engineer

- ◆ Collected, conducted IQ analysis & comparisons of smart-phone camera images to support 'IEEE P1858: Standard for Camera Phone Image Quality (CPIQ)'; data used & referenced in 'Camera Image Quality Benchmarking' by Phillips & Eliasson
- ◆ Collected, analyzed IQ & AF images for Google Pixel & new home-product cameras
- ◆ Modified python scripts to improve automated image-capture and analysis

**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

**BAE Systems (Amtec)** (San Jose, CA) 06/13 – 12/13  
Software Test & Integration Engineer

- ◆ Developed, executed, & reviewed test sequences using Teststand & Wireshark to verify Fire Control software for a ground combat vehicle
- ◆ Integrated python scripts to simulate environmental conditions into test environment

**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

**General Dynamics Mission Systems (GDAIS)** (Various Locations) 10/04 – 05/08  
Technical Support Field Engineer; Cleared DoD Secret

- ◆ Performed integration & acceptance testing on SSBN-730 & installed SSBN-731 missile launch systems to convert submarines to Trident II D5 configuration
- ◆ Performed design quality testing for Trident II D5-LE
- ◆ Created documentation detailing architecture & operation of legacy hardware & software to support next-generation design

## EDUCATION

Alfred University (B.S., Electrical Engineering)