

# LAUREN DAVIDSON

1234 Any Street, Huntsville, AL 35801 ■ Cell: (123) 456-7890 ■ l davidson@email.com

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## SATELLITE / SPACE OPERATOR

Satellite / Space Operator with over fifteen years of experience and expertise tracking, collecting data, analyzing, and testing satellite systems. Proven record of conducting satellite operations to ensure operability of satellite communications and implementing required upgrades to ensure fullest system optimization. Excellent ability to provide secured telemetry, tracking, and commanding (TT&C) and ground status monitoring of satellite vehicles.

### *Core Competencies Include:*

- Satellite Communications
- TT&C Monitoring
- Systems Configuration
- Systems Integration
- Research and Analysis
- Advanced Technology

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## CLEARANCE INFORMATION

### ***CURRENT TOP SECRET/ SENSITIVE COMPARTMENTED INFORMATION (TS/SCI) CLEARANCE***

*(With Full Scope Polygraph) PR Date: December 2010*

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## PROFESSIONAL EXPERIENCE

PEOPLETECH, Huntsville, AL

2012 – Present

### ***Joint Systems Communications Analyst***

- Manage interoperability system analysis, run integrated simulations, and match objects to system tracks, composite tracks, and link tracks for \$36M satellite communications program.
- Research and calculate large data set metrics to evaluate for trends and discrepancies.
- Create analysis scripts and oversee script program tracking and implementation as well as model simulation requirements for satellite program vehicles.
- Provide detailed briefs to joint system engineering team of 15, ensuring simulation database updates are coordinated amongst entire team.

NORTHROP GRUMMAN, Joint Base Andrews, MD and Kandahar, Afghanistan

2004 – 2011

### ***Communications Control Manager (2009 – 2011)***

- Managed \$10M+ advanced communications and navigation systems on six aircraft providing worldwide transportation for the President of the United States, Vice President of the United States, cabinet members, and various foreign dignitaries.
- Supervised three communications control specialists coordinating flight instruments and electronic countermeasure systems installed on fixed-wing aircraft models.
- Oversaw organization and field-level maintenance with the only Federal Aviation Administration-certified repair station in the entire Air Force.

### ***Saturn Arch Program Signal Engineer (2005 – 2009)***

- Served as signal engineer for \$8M Guardrail Common Sensor (GR/CS) modernization project for RC-12 combat reconnaissance aircraft.
- Executed 165+ flight events as airborne sensor operator and mission planner, leading to improved signals intelligence data accuracy.
- Collaborated with team of 12 analysts, information technologists, and pilots to develop customized software and data collection techniques, ultimately decreasing data dissemination times.
- Performed first-phase imagery exploitation, closely documenting and analyzing software system stability and performance.
- Participated in weekly briefs with National Geospatial-Intelligence Agency, ensuring information control and accuracy.

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**NORTHROP GRUMMAN, CONT'D*****Assistant Program Manager, Air Force Electronic Countermeasure (ECM) Systems (2004 – 2005)***

- Assisted team of seven engineers establishing radiometric test procedures for ECM systems installed on military aircraft.
- Developed ECM transmitter hold-down clamp blower fan, leading to \$550K+ aircraft repair cost savings.
- Troubleshoot and overhauled 30+ White House Communication Agency radio assets, saving \$40K+ in critical assets.

CUBIC CORPORATION, Misawa Air Base, Japan

1999 – 2003

***Satellite Communications Supervisor***

- Oversaw 15 personnel performing circuit testing, patching, and preventive maintenance inspections for equipment worth \$8B+ at the Misawa Cryptologic Operations Center.
- Operated AN/GSC-52 satellite communications terminal, Digital Communications Satellite Subsystem (DCSS), and Defense Satellite Communications System Frequency Control Subsystem (DFCS).
- Generated detailed satellite equipment reports to provide satellite tracking and signal transmission data.
- Ensured all personnel conformed to Defense Information Systems Agency modernization standards.

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**EDUCATION**

UNIVERSITY OF COLORADO, Boulder, CO

***Bachelor of Science in Aerospace Engineering***

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**TECHNICAL SKILLS**

MS Office Suite (Word, Excel, PowerPoint, Access, Outlook), LabVIEW, DOORS, MATLAB, and SolidWorks.