William Denson

Email: William.acson@gmail.com
Cell: 757-672-4021
U.S. Citizen
Veteran's Preferences: N/A
Federal Civilian Status: DoD U.S. Fleet Forces Command
Contact Current Employer: Yes

Position Inquiry

Shop 67 - ELECTRONICS MECHANIC (2604)

Professional Experience

NAVAL WEAPONS STATION YORKTOWN, Yorktown, Virginia
Electronics Technician – Code 232 Systems Engineering
Pay Plan/Series/Grade/Level: GS-0856-09
Dates: April 2026 – Current

- Soldering and desoldering skills for 16 pin IC op-amp chips, resistors, data ribbon cables, solder cup power cables, gull wing leads, chip leads and lands, power supply units, and potentiometers
- Transducer troubleshooting strain gauge heads. Controls and adjusts milliampere loadouts. Repaired mission critical transducers using digital multimeters (ohms, volts, amps, diode check) with decade box. Fine tune adjustments on zero and span potentiometers according to NAVSUP TOP-232-0150-YT
- Paperwork certification (work packaging) to include quality control using JONs, NSN/NIIN number tracking
- Electronics troubleshooting with benchtop Keysight, Fluke, and HP multimeters using milliamperage measurements, ohm measurements, capacitance readings, along with oscilloscope integration
- Multipin connector soldering and megger testing for critical power and data cables
- Variable waveguide attenuator calibration tracking - METCAL MCMS Navy calibration inventory control
- Familiarity with the following concepts and testing devices: VSWR signal testing, VSWR calculations, antennae theory, wave forms and oscilloscope usage, amplifiers, receivers, transceivers, dB/dBm, microwaves, filters, high frequency theory, time domain reflectometers, LCR analyzers, waveform analysis, waveguides, and coaxial 50Ω impedance cable properties
- Transistor testing (can and DIP configuration) using diode test between inverting/non-inverting pins and ground
- Familiarity with 2M procedures (surface mount technology, through hole components, laminate care, jumper wires, conformal coatings) along with micro soldering 30 AWG & smaller wires to PCB turrets
- Troubleshooting skills using schematics, single line diagrams, and wiring diagrams from current and obsolete companies to fix critical items on tight deadlines. Able to identify critical electronics symbols that are current or legacy items and reverse engineer solutions to fix older electronic assemblies such as CCAs
- Shop 67/Yorktown courier for trigger device cleaning at NNSY. Parts and JON verification upon receipt

NORFOLK NAVAL SHIPYARD, Portsmouth, Virginia
Electronics/Electrical SME – Shop 98
Pay Plan/Series/Grade/Level: WG-2805-10
Dates: February 2020 – April 2026

- Led intricate soldering work and inspections for surface mount (SMD) micro fuses, turret fillets, cracks and joint inspections regarding PCB inspections, SCR optocouplers, travel drives, Load Moment Indicator computers, 40 pin IC for stepper motor, and PCB turrets on multi-channel phone communications devices and electro-mechanical operator controls for testing and troubleshooting

- Served as a designated soldering tech, soldering 14-gauge wires to 3.5mm connector turrets for a custom 24V/12V DC test device project used on circuit diagnostics using paste flux, rosin core - leaded solder and pre-tinning techniques. Additional experience on soldering 120V AC-DC Mean Well IRM-05-5 rectifier leads, dual-in-line package (DIP) chips, 10CFR circuit board potentiometers & radio through-hole antenna fabricated connections
- Waveform frequency tuning and frequency generator experience to include 5-60W coax to radio CDM1250 Motorola modules, spectrum analyzing, RPM frequency micro adjust comparators, and radio sensor safety devices. Conducts visual inspection on leaking capacitors and inductor integrity for tank circuits. Maintains professionalism in small, intricate tasks with high precision
- Top soldering performance award apprentice training for outstanding performance for multi-pin connector fillets, clean turret bonding and solder joints, resistor strain relief, maintaining a clean heat bridge, flux cleaning, pre-tinning, and proper wire/component dressing and alignment. Experience with delicate 24 & 26 AWG wire soldering for comm equipment
- Performs failure-free multi-wire cable management (Amphenol & shipboard terminal box), multi-pin back shell lockwire connector repair connections, wire harnesses, and TE Deutsche Connectors (DT) for heavy equipment safety devices and pull sensors. Closely monitors wire dressing methods and terminal board landing placements using OQE via quality control documents (MIL-STD)
- Familiarity of SLQ and SPN radar system theory, wave guides, transponder signal integrity, tank circuits, signal frequency ranges and matching, sideband frequencies (kHz/MHz/GHz ranges), drive motors, drive shafts, and various radio electronics theory from NEETS/MIL-SPEC modules
- Experience with coax installation procedures to prevent cross-frequency noise and interference from SLQ/SPN radar units from NNSY shipboard activities. Adheres to verbatim compliance regarding TWDs, TGIs, WAFs, Disco Reco sheets, and material request forms
- Completed electrical apprenticeship from February 2020 to April 2024 in Shop 98

Volunteer Experience

Nauticus/USS Wisconsin, Norfolk VA
Electronics Technician
Dates: June 2026 – Current

- Electronics repair for exhibits
- Floater training for shipboard electronics repair

Education

- Associates of Science in General Studies – Tidewater Community College, Virginia Beach, VA

TWMS/ SF-50 Awards/ Appraisals

• Performance Award ($1,896)	6/22/2026		Verified
• Annual Appraisal – DoD (5 out of 5 rating)	6/01/2026		Verified
• Special Act / Service	4/21/2026		Verified
• Time Off Award	4/13/2026	12 Hrs	Verified
• Special Act / Service ($17,768)	1/30/2026		Verified
• Time Off Award	8/28/2025	12 Hrs	Verified
• Individual Cash Award Ratings-Based	7/27/2025		Verified
• Individual Cash Award Ratings-Based	6/04/2025		Verified
• Annual Appraisal – DoD (5 out of 5 rating)	6/01/2025		Verified
• Individual Cash Award Ratings-Based	7/22/2024		Verified
• Individual Cash Award Not Ratings-Based	7/21/2024		Verified
• Individual Cash Award Ratings-Based	7/13/2024		Verified
• Annual Appraisal – DoD (5 out of 5 rating)	6/01/2024		Verified
• Time Off Award	6/27/2024		Verified
• Performance Award	8/02/2023	332 Hrs	Verified
• Special Act / Service	5/18/2023	275 Hrs	Verified