



Elijah Walker

📍 Campbell, TX 75422 📞 (850)-292-1798 ✉️ walkerelijahc@gmail.com

PROFESSIONAL SUMMARY

US Navy Special Operations Veteran, Electronics Engineering Technology graduate, and Computer Science graduate student with over 9 years of electronics, computers, and signals experience. Skilled in a wide variety of technologies ranging from computer programming, electronics, mid-level management, and signal processing equipment. Actively pursuing an entry level career in software engineering.

QUALIFICATIONS & TECHNICAL SKILLS

- **Active Top Secret/SCI Security Clearance** (exp Mar 2027)
- **Certifications:** CompTIA Security+ (exp July 17, 2024)
- **Software/ Programming:** Javascript, HTML, CSS, SQL, C++, PLC(Programmable Logic Controllers), Github, SDKs, APIs, Linux, Microcontrollers, Microsoft Office Suite (Word / Excel / PowerPoint / Access / Outlook / Visio)
- **Electrical Equipment / Tools:** 3D Printers/ Digital / Analog Multimeters, Digital / Analog Oscilloscopes, Signal Analyzers, VNAs, Soldering, Semiconductors, Microprocessors / Microcontrollers (HCS-12/Arduino), Component Level Electronics, Cable Assembly, Frequency Generators, DAQ Controllers
- **Troubleshooting:** Advanced troubleshooting skills in software, electronics, and mechanical systems. Highly experienced in time-critical troubleshooting of mission essential collection systems using thorough root cause analysis during high pressure situations.

WORK HISTORY

ELINT SYSTEMS ENGINEER

03/2022 to CURRENT

L3Harris | Greenville, TX

- Integrated research and development engineer for ELINT interferometry systems in support of wide variety of aircraft sensor systems.
- Writes requirements, supports development, and performs integration and testing of new and legacy systems.
- Performs requirement traceability, writes subsystem specifications for system level requirements, and designs and evaluates diagrams to ensure design correctness.
- Testing, analysis and implementation of RF systems, FPGAs, RF tuners, network switches, arrays, and processors.

MUSIC INSTRUCTOR

06/2019 to 03/2022

Self-employed | Virginia Beach, VA

- Provided instruction in one-on-one environment for students of varied age and ability.
- Instructed students in music theory and composition in classroom environment.
- Private Music Instructor, taught students of all ages to play guitar in genres ranging from jazz to rock music.
- Tutored students in musical theory principals.

ELECTRONICS ENGINEER/ROBOTICS TECHNICIAN

10/2020 to 07/2021

Automation Equipment Services Group | Virginia Beach, VA

- Performed diagnostics, troubleshooting, repair, and refurbishment of robotic systems.

Systems include wafer handling robots, pre-aligners, robotic control systems, and vacuum systems. Primary duties included mechanical assembly and repairs, electronic component-level troubleshooting and repair, DC and AC circuit analysis, and hardware/software calibration.

- Reverse engineered printed circuit boards, electrical schematics, cables, and control systems for wide varieties of robotic systems.
- Created mechanical drawings with AutoCAD and AutoDesk Inventor for prototyping mechanical robotic parts.

CRYPTOLOGIC TECHNICIAN (TECHNICAL)

07/2011 to 06/2019

US Navy; Rank E6 | Norfolk, VA

- Served as the Divisional Lead Petty Officer (Mid-Level Manager) and managed 84 Sailors in technical electronic warfare library development and administrative tasks.
- Performed extensive Electronic Intelligence (ELINT) data analysis and quality assurance for all current surface and subsurface threat libraries.
- Led the initial development of the Subsurface CIT library. Completed 2 annual WLR-8 library builds, 8 CIT/BLQ-10 library builds and 2 SLQ-32V (1-4) builds.
- Served as Tactical Electronic Warfare Operator (TAC-EW NEC 90IW) for the Navy Expeditionary Intelligence Command (NEIC) responsible for force protection, indications and warning, and tactical signals collection.
- Performed technical signals analysis on Wi-Fi, Push-to-Talk, cellular, and satellite signals.
- Served as Airborne Cryptologic Operator (NEC 8296) in support of special operations involving advanced collection operations, joint mission planning and SIGINT analysis.
- Integration, installation, operation and maintenance of active GSM, CDMA, UMTS and WIFI intercept equipment.
- Occupied critical role of Field Service Engineer for cellular equipment maintenance and integration in an austere location (Nebula, Hydra, DRT, ICS).
- Operated Full Motion Video (FMV) and SIGINT equipment on BLOS UAV (drone) systems.

EDUCATION

Master of Science | Computer Science

EXPECTED IN 12/2024

Texas A&M University - Commerce, Commerce, TX

Software Engineering Concentration

Current GPA – 4.0

Key Coursework: C++ Programming, Computing and Machine Organization, Operating Systems, Computer Architecture, Algorithm Design & Analysis, Networking.

Bachelor of Science | Electronics Engineering Technology

02/2021

ECPI University, Virginia Beach, VA

Concentration in Mechatronics

Final GPA – 3.99 / 4.0

Key Coursework: Logic and Design, Networking, Electric Circuits, Semiconductor Devices, Statics, Dynamics, AutoCAD, Inventor 3D, Digital Systems, Computer Configuration, Computer Programming in C, Operational Amplifiers.