

# Nick Stuart

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## EDUCATION

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### **Boston University**

*Masters of Software Development*

Online Program

*Fall 2021 – Spring 2024*

### **University of Texas At Arlington**

*Masters of Business Administration*

Arlington, TX

*Fall 2017 – Fall 2019*

### **Texas A&M University**

*Bachelors of Science in Electrical Engineering*

College Station, TX

*Fall 2011 – Winter 2015*

## EXPERIENCE

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### **Software Engineer Sr**

Jun. 2022 – Present

*Lockheed Martin*

*Fort Worth, TX*

- Worked as a member of the Lockheed Martin Aeronautics Sensor Fusion team, specializing in Data Association.
- Performed Information Fusion with data and sensors such as radar, passive sensors, tactical data links, and more.
- Developed and maintained tooling to analyze software test results (flight, lab, etc.) in C# and MATLAB
- Reduced significant technical debt of F35 Sensor Fusion code by identifying, resolving and verifying over 50 SPARs.
- Performed all aspects of software development including design, development, test, integration, and maintenance of real-time embedded fusion software in C++
- Developed signals processing capabilities in Rust and supporting tools and visualizations for capability demos

### **Engineering Specialist**

Jun. 2020 – Jun. 2022

*Bell Flight*

*Fort Worth, TX*

- Developed software in Java to automate several manual tasks involved in the creation of wire diagrams, harnesses, and other wire data. This significantly reduced the normal wire harness development time for a new program the size of FARA on the order of months.
- Worked as a member of the electrical wiring team on the Bell Future Vertical Lift program.
- Designed and released electrical wiring harnesses to support the installation of all systems on the aircraft. The majority of harnesses for the aircraft were designed, built and installed during my time there.
- Created, released, and maintained electrical wire diagrams to support installation and troubleshooting.
- Assisted in the creation of Avionics systems designs and schematics.
- Reviewed schematics to ensure logic and connections would meet requirements and work as intended.

### **Electronics Engineer**

Aug. 2018 – Jun. 2020

*Lockheed Martin*

*Fort Worth, TX*

- Responsible for the release and build of wire diagrams and harness assemblies as well as the training and guidance of new engineers to the team.
- Worked as a member of the electrical wiring design team in the early stages of an ADP program.
- Created the Harness Interface Device Document (HIDD), coordinated with various subsystem teams, the avionics team, and the installation team to derive and implement electrical requirements
- Compile wire diagrams and harness BTPs for installation using Mentor Graphics Capital software.
- Developed CONOPs for harness development workflow and wire diagram release process.

### **Electronics Engineer Asc**

Jan. 2016 – Aug. 2018

*Lockheed Martin*

*Fort Worth, TX*

- IPT technical management for the Communications, Navigation, and Identification team.
- Responsibilities included subcontractor hardware design support, supplier ECP planning and execution, engineering change requests to implement qualification and other failure fixes, technical evaluations of supplier proposals, and writing and reviewing supplier statements of work.
- Integrator for use of Commercial Off the Shelf products on the TACMAN modernization program.
- Found root cause of micro DTC issues and managed the project to implement and release corrective action.

## TECHNICAL SKILLS

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**Engineering Tools:** Mentor Graphics Capital, CATIA , ENOVIA, PDM

**Programming Languages:** C++, Rust, MATLAB, Java, Python, PostgreSQL

**Developer Tools:** Git, Docker, VS Code, Atlassian Suite, Visual Studio, IntelliJ, Eclipse