

NEWTON GRADY

COMPUTER ENGINEER

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PROFESSIONAL OVERVIEW

Motivated Computer Engineer seeking a position that leverages my technical expertise and collaborative mindset to enhance team performance while continuing to grow in areas such as systems integration, automation, and data-driven problem solving.

WORK EXPERIENCE

Avionics and Electrical Systems Engineer

Textron Aviation, Wichita KS | 2024 - 2025

- Improved internal engineering workflows and systems documentation. (RCA, Quality Assurance, Quality Audits)
- Led DevOps organization setup to improve transparency and task tracking. (RCA, Quality Assurance, Quality Audits)
- Configured IBM Quality Management to create and manage test plans as a scalable alternative to static Word templates, including permission setup and custom .dta-based report generation. (RCA, Quality Assurance, Quality Audits, Quality Inspection)

Avionics and Electrical Systems Intern

Textron Aviation, Wichita KS | 2022 - 2024

- Redesigned organizational SharePoint site for improved accessibility and usability. Identified technical debt, eliminating duplicate files and updating training documentation. (RCA, Quality Assurance, Quality Audits)
- Modified wire diagrams using Capital Harness and Capital Logic. (Quality Assurance, Quality Inspection)
- Developed Excel VBA tools to assist in data migration from legacy tools. (Quality Assurance)
- Assisted in various process improvement requests. (RCA, Quality Assurance, Quality Audits, Quality Inspection)

EDUCATION

Bachelors in Computer Engineering

Wichita State University, Wichita KS | 2019 - 2024

- Relevant Coursework: FPGA-Based System Design, Digital Design, Assembly Programming, Data Structures, Circuits I & II, MATLAB Programming for EE/CE

Associates in General Studies

Labette Community College, Parsons KS | 2017 - 2019

- Relevant Coursework: Digital Logic Circuits, Fundamentals of Electronics, Intro to Networking, Programming Logic

HONORS & AWARDS

- Top 20 Cardinal Award, 2019
- Distinguished Chapter Officer Team, Phi Theta Kappa
- Eagle Scout

SKILLS

- C
- C++
- Python
- HTML
- JavaScript
- ARM
- Swift
- Visual Studio
- Git
- IBM ELM
- Capital Harness
- Capital Logic
- Excel
- Azure DevOps
- SharePoint
- IBM Rational Publishing Engine

HOBBIES/INTERESTS

- Hiking
- Photography
- Traveling
- Gaming