

# Myles C. Harris

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## EXPERIENCE

### **Dell Technologies** (*Acq. Moogsoft*)

**Oct 2022 – Present**

#### **Software Engineer II**

- Designed and shipped a real-time incident-correlation microservice (Java, Python, Kafka) that ingests 2 B+ events/day and cut mean-time-to-resolve by up to 900% across Fortune 100 customers.
- Spearheaded an in-house performance-monitoring platform (metrics dashboards + scripted load generation with JMeter) that trimmed developer's manual test cycles 75% and enabled data-backed product strategy.
- Built, refactored, and tested high throughput REST APIs across several enterprise microservices. Increased test coverage to >90%.

### **Northrop Grumman Corp.** (*top 30% performer 2021-2022*)

**July 2019 - Oct 2022**

#### **Embedded Software Engineer**

- Led / Evaluated software and firmware development for a team of 6 - 12 engineers. Consistently met DO-178C standards while implementing sensor / radar libraries for a GPS / Inertial Navigation System product line.
- Led Scrum-of-Scrums for 8 cross-functional teams (~80 engineers), using backlog analytics to clear blockers and sustain velocity. Drove timeline forecasts and priority management with senior program leadership through successful field testing.

#### **Software Engineer**

- Developed JavaFX UI and C++ back-end for satellite defense application, capable of making real-time classification decisions and reducing operator planning time 35 %.

#### **Associate Mechanical Engineer**

- Engineered flight-qualified electro-mechanical assemblies using FEA & 3D modeling; 2x and modernized parts library while meeting MIL-STD specifications.

## PROJECTS

### **ML Stock Screener — Personal Project**

- Trained Gradient-Boosting & LSTM models (Scikit-learn/TensorFlow) achieving ~0.92 F1 on 10 yrs of S&P 500 data; utilized alongside K-Means Clustering algorithm; deployed in Jupyter Notebooks, serving 1 k+ weekly queries.

### **Electric Prosthetic Arm — Mercer Engineering Expo**

- Led interdisciplinary team to deliver EMG-controlled prosthetic prototype 98% cheaper than commercial devices.

## SKILLS

Languages: Java, C / C++, Python, HTML / CSS

Frameworks: Node.js, React, Express.js, Scikit-Learn, TensorFlow, NumPy / SciPy / Pandas

Other Tools: PostgreSQL, AWS, Jenkins / Maven, Atlassian suite, Git, GitHub

## INVOLVEMENT

National Society of Black Engineers (*Atlanta Professionals Chapter*)

**2023 - Present**

NGC African American Task Group (*Communications Lead / Vice-Chair*)

**2019 - 2022**

## EDUCATION

Mercer University

Master of Science – Software Engineering

Mercer University

Bachelor of Science – Mechanical Engineering