


# Brian Decker

Cincinnati Metropolitan Area

 [linkedin.com/in/brianldecker](https://www.linkedin.com/in/brianldecker)

 [bldecker@encomlab.com](mailto:bldecker@encomlab.com)

 859-992-6861

## Summary

Honors Electronics Engineering graduate. As an undergraduate Research Assistant at the Center for Integrative Natural Science and Mathematics, I worked with Dr. Gang Sun to design a TI MSP430 based micro-controller training system.

## Experience



### Test Technician 2, R&O Lab - Space and Sensors Division

L3Harris Technologies

May 2019 - Present (1 year 2 months +)

Perform functional tests on IRST camera systems utilizing standard engineering procedures and appropriate test equipment to identify sub-assemblies with defects, failures or anomalies. Once identified, perform rework/repair of the systems and/or sub-assemblies and conduct performance and quality assurance testing to verify correct system performance.

Maintain product configuration information, current status of units under test, troubleshooting efforts and failure identification information in the CQI database.

Support completion of assembly operations to meet delivery expectations while identifying ways to improve current production processes to reduce the number of defects.



### Research And Development Assistant - Department of Engineering

Northern Kentucky University

Jan 2018 - May 2019 (1 year 5 months)

Funded by a grant award from the Center for Integrative Natural Science and Mathematics, my research project is to perform the design, code development and hardware implementation of an 8-bit AVR RISC-based microcontroller system to perform laboratory environment monitoring, robot safety cage control and remote I/O via a cellular GSM data link. The key point of my research was developing a text parsing system which allows commands to be sent to - and responses received from - the monitoring system via standard text messaging. At the conclusion of my research I will have built the prototype hardware including schematic design, PCB layout, parametric BOM analysis, control software development and performed system integration and testing of the system in the NKU manufacturing lab.



### Student

Northern Kentucky University

May 2015 - May 2019 (4 years 1 month)



### Implementation Manager

Sallie Mae

Jul 2011 - May 2015 (3 years 11 months)

Managed a development team responsible for implementing an enterprise level software transition.

Established user requirements for offices in Ohio, Indiana and New York.

Provided solutions/constraints to executive management for final approval prior to implementation.

Conducted analysis and provided feedback to senior management for operation status meetings.

## Education



## **Northern Kentucky University**

Master of Business Administration - MBA

2019 - 2021



## **Northern Kentucky University**

Bachelor of Science - BS, with Honors, Electrical and Electronics Engineering

2015 - 2019

## **Honors & Awards**



### **Cum Laude EMET graduate - Cincinnati State Technical and Community College -**

Cincinnati State Technical and Community College

Aug 2017



### **Dean's List Recipient - Department of Engineering**

Dec 2018



### **Heather Bullen Research Grant - Center for Integrative Natural Science and Mathematics**

May 2018

My GSM text control project was selected by the CINSAM faculty committee to receive a Heather Bullen Research Grant. Based on the success of my initial project, this grant received further funding extensions in August of 2018 and again in January of 2019.



### **2019 Celebration of Student Research and Creativity**

Feb 2019

My Senior Capstone project was selected by the Student Research faculty committee for an Excellence in Student Research project award to be presented at the 2019 Celebration of Student Research and Creativity.



### **Cum Laude EET Graduate - Northern Kentucky University**

May 2019

## **Skills**

Leadership • Training • Data Analysis • PCB Design • Project Implementation • Business Analysis • Change Management • Android Development • Digital Electronics • Strategic Planning