**Youssef Stivan**

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**EDUCTION**

**Bachelor of Science in Electrical Engineering,** December 2022

Northern Illinois University, Dekalb, Illinois GPA: 3.660

**Technical Skills**

Technical: Altium, MATLAB,

Microsoft Tools: MS Excel, MS Word

Languages: C, C++, Python,

**Work Experience**

Precision Application Software Engineer Intern, CNH Industrial, May 2022 – December 2022

* Developed a python application to interpret and parse Controller Area Network encrypted data that will be used across all ISOBUS team members.
* Read and researched through ISO-11783 documents to understand the application requirements and how to build it.
* Developed a Graphical User Interface for the application and transformed it into a desktop application.
* Wrote a complete software design document for the application.
* Worked in an Agile environment in a team of 6+ people focusing on Precision Technology and embedded systems for farming solutions.
* Participated in code reviews.
* Built skills with git, Gerrit, and Polarion.

**Projects**

Density Altitude Computer (Senior Design Project)

* Part of a 3-student team working on a self-proposed project to create a computer/display for practical use in the aerospace industry as an aircraft instrument which accurately reports the current density altitude and its effect on aircraft performance.
* Responsible for developing the Graphical User Interface on a touch display.
* Helped the other teammates with testing, programming, and troubleshooting the sensors we are using such as temperature, humidity, airspeed, and GPS module.
* Programmed the display and the microcontroller to integrate all the data from the sensors into the Graphical User Interface.
* Participated in writing design documents for this project from scratch.