**Eric Buffington**

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**Co-Op/Work Experience:**

* Software Developer - Honeywell Intelligrated, Mason, Ohio, January 22 – April 22,August 22 – December 22
  + Completed 5 projects with teams, over 2 Co-Op semesters, all of which were presented to management
  + Developed python programs to ensure data communication between PLC and UI was correct
  + Presented an efficiency report on new PLC program the company was going to implement nationwide
  + Worked along with senior engineers to implement 2 programs which are currently in use
* Software Developer - SHP, Cincinnati, Ohio, January 7 - August 2
  + Worked in C# to develop buttons for architects, or other engineers
  + Created, or contributed to bug fixes on 55+ buttons
  + Worked along with electrical engineers to develop tool to automatically name circuits throughout a building
  + Tested new abstract class for making tree views by implementing fully working button to test for duplicate items in a model

**Skills/Expertise**

* Programming Languages: C#, C++, Python, & Java
* Operating System: Windows and Linux
* Scripting Languages: XML, XAML, & HTML
* Database: SQL
* Others: Mathematics, Learning Probabilistic Models, MatLab, Visual Basics, and Julia

**Area of Interest**

* Artificial Intelligence
* Sports
* Web Application
* Data Analysis

**Type of Project Sought**

* Generative AI that can assess current players on field, down & distance, time in game, and other factors and return a predicted play with a confidence level
* Web application to gather current stats of a team, and return with list of areas where they are excelling compared to league, or lacking
* Assessment of how effective the new guardian caps are at avoiding injured in NFL