

# Nolan Martin - Software Engineer

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## SUMMARY

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Full Stack Software Developer dedicated to leveraging my proficiency in C# to create and improve robust software applications. Proven track record of surpassing customer expectations by troubleshooting and resolving complex engineering issues, optimizing performance, and working with cross-functional teams to achieve successful project outcomes.

## SKILLS AND TECHNOLOGIES

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| C# | .NET Core | ASP.NET MVC | LINQ | MySQL | Test-Driven Development | Unit Testing | Python |  
| JavaScript | HTML | CSS | Dapper | APIs | JSON | Visual Studio | Git | GitHub | NX | MS Office |

## EDUCATION

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### TrueCoders - Full Stack Software Engineering

May 2023

- Project-based learning utilizing the following languages, technologies, and skills: C#, .NET Core, ASP.NET MVC, LINQ, Test-Driven Development, xUnit, MySQL, JavaScript, HTML, CSS, Dapper, APIs, JSON, GitHub, Git, Visual Studio Community, and Visual Studio Code

### Michigan State University - Bachelor's of Science in Mechanical Engineering

May 2021

- 3.72 GPA

## SOFTWARE PROJECTS

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### LetSeat!, [GitHub](#) | [Demo](#)

*Restaurant generating platform with capability to save/remove restaurants from favorites*

- Developed with C#, ASP.NET MVC, MySQL, HTML and CSS
- API response requested when the user submits a zip code, response added to restaurants database, results displayed to the user in a table with the option to add any restaurant to their favorites
- Engineered with CRUD functionality to allow user to save/remove restaurants to/from favorites

### Taco Parser, [GitHub](#) | [Demo](#)

*Program that determines which Taco Bells are furthest apart given a CSV file with hundreds of locations*

- Utilized Test Driven Development (TDD) to check the distance between every location in Alabama
- Location information for each Taco Bell was obtained by parsing through a large CSV file, saving the latitude and longitude values as a GeoCoordinate for each location after using unit testing to verify that the correct latitude and longitude values were extracted from each line in the file

## EXPERIENCE

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### R&E Automated | Romeo, MI — Robot/PLC Programmer

June 2021 - February 2023

Contract: Amazon | Role(s): Technical Supervisor, Product Development Technician for Amazon Robotics

- Performing root cause analysis to encourage systematic changes to aid optimization
- Advanced mechanical and electrical troubleshooting for prototype automation technology
- Designed, manufactured, built, and wired components related to the automated system in a timely fashion, while providing feedback to the customer to improve performance and integration of future iterations
- Configuring IP addresses, setting parameters, updating firmware for controllers
- Experience with the following components: PLCs, HMIs, automated storage and retrieval systems, MagneMotion magnetic propulsion, conveyors, wireless connectivity