

# RYAN ROLADER

## FULL-STACK DEVELOPER

Livonia, Mi  
ryanr1507@gmail.com  
517-962-8822  
www.linkedin.com/in/ryanr15

### WORK EXPERIENCE

#### Tooling & Equipment International

Software Developer – System Administrator  
Livonia, MI

May 2019 - Present

- Designed and developed a feature for TEI's locally hosted data management system that allows project managers to input job specific data and generate a report that contains all valuable job information which improved processing time for reports by 25%
- Created a program that parses CMM inspection reports and includes functions that set print options, create part specific rules, and performs automatic calculations saving 7-10 hours per week
- Built several custom applications for NX 12.0 using NXOpen (NX framework) and the UI block styler application provided by NX to make repetitive tasks more time efficient

### PROJECTS

#### Holder Profile Builder

- The program collects all the edges starting from the front face of the holder and calculates the length of each section, diameter, and taper
- The calculations, library reference, sequence number, and other required data are formatted to create the holder profile which can be stored in the database and be imported in active sessions  
[Visual Basic](#) [NX Open \(NX Framework\)](#) [NX Block Styler](#)  
[NX12 Open VB Wizard](#) [Microsoft Visual Studio](#)

#### TEI Data Warehouse

- A data management system that was designed to automate tasks and centralize processes at TEI. Allows project managers to keep track of job/part specific information  
[Visual Basic](#) [JavaScript](#) [HTML5/CSS3](#) [SQL \(Microsoft SQL Server\)](#)  
[.NET Framework](#) [Bootstrap](#) [Microsoft Visual Studio](#)

#### RTF Parser

- Parses through an inspection report that's created after a CMM machine probes a part. This inspection report is an RTF file that includes many part features (ex. cylinders, planes, and circles)
- Includes functions that set up print options and create rules/input formulas for specific cells. These formulas will perform automatic calculations when the user changes values in the active sheet  
[Visual Basic](#) [VB for Applications](#) [VBA Userform](#)

### SKILLS

#### Languages:

- Visual Basic, Java ,  
JavaScript/jQuery,  
HTML5/CSS

#### Frameworks:

- Node.js/Express, React,  
NXOpen, ASP.NET

#### Tools:

- Android Studio, Git/GitHub,  
Eclipse, Figma, Visual  
Studio/VS Code

#### Databases:

- Microsoft SQL Server

### EDUCATION

#### Bachelor of Science in Computer Science

Eastern Michigan University  
High Honors  
GPA: 3.58

#### Associate in General Studies

Jackson College  
High Honors  
GPA: 3.87