

RYAN ROLADER

FULL-STACK DEVELOPER

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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 , C#
JavaScript/Node.js,
HTML5/CSS

Frameworks:

- Express, React, NXOpen,
ASP.NET, Bootstrap

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