Tyler M. Brogna

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Software Developer

Professional Work

Accusoft Software Engineer III. Tampa Bay, FL.   **Sep 2022 – Present**

Snowbound Software Software Engineer. Acquired by Accusoft. Waltham, MA.   **Jan 2018 – Sep 2022**

Worked on a team to maintain and expand functionality of a document processing API, used to convert many document formats into raster and vector images.

Lead engineer to create a system to lay out all content in a Microsoft Excel spreadsheet. Created all systems and data structures to format and render cells, text in cells, images, headers, footers, and conditional formatting. Written in Java.

Lead engineer to create a system to parse and lay out all content in Microsoft Office Charts. Created all systems and data structures to draw line, bar, area, circular, and combination plots. Included systems to display legends, titles, axis labels, and data labels. Written in Java.

Lead engineer to create a system to parse and format Microsoft Excel custom number formats. Handled numbers, dates, and times to display the same as Excel. Works across multiple locales. Written in Java and C#.

Conduent Legal and Compliance Services Software Developer. Albany, NY.   **Jul 2015 – Jun 2017**

Created a test framework to write automated tests. Written in C# with selenium.

Created a web app to compile and organize data for internal use. Written in PHP and JavaScript.

Personal Work

Game Jam: Toom World (https://tavoe.itch.io/toom-world)

Designed and programmed a 3D video on a team of three in one month. Worked on game architecture, enemy AI, and character controller. Contributed to the game design and level design. Designed and written in Godot with GDscript.

Bingo Web Application

Used Node.js, express.js, and SQLite3. Created for practice to learn server side web development. Site accepted user input and generated bingo cards.

Languages and Tools

Java · C# · JavaScript · C++ · GDscript · Python · PHP

Node.js · SQLite3 · Git · JFreeChart

Unity 3D · Godot · Intellij · Visual Studio · VS Code

Maven · Teamcity · Microsoft Office

Education

Rochester Institute of Technology   **Sep 2010 – May 2014**

BS in Game Design & Development · Minor in Digital Literature & Technology

Other Experiences

Martial Artist

Video Game Collector (Ask me about obscure US or JP releases!)

Downhill Skiier