

Tyler Brogna

Newton, Massachusetts - 518 257 2175 - tybrogna@gmail.com - tybrogna.github.io

Software Developer

Professional Work

Accusoft – Tampa, FL

Software Engineer III, 01.2018 – 07.2023

Previously Snowbound Software.

Worked on a team of engineers on a document processing API, used to render and lay out content of varying file formats, and convert them into other file formats.

Conduent Legal – Albany, NY

Software Developer, 07.2015 – 06.2017

Created web apps with PHP for data compilation, for internal use. Created automated testing frameworks for a website using Selenium. Wrote PL/SQL commands.

Professional Projects

Microsoft Excel Render System

Written in Java. Lead developer. Replaced content layout and rendering code of Excel spreadsheet files, following OOXML specification. Was faster, used less memory, prevented server crashes, and produced more accurate results.

Microsoft Charts Render System

Written in Java. Replaced content layout and rendering code of DrawingML charts. Modular design of legends, variable axes, circular and Cartesian plots, and combinations of series.

Update API for Multithreading

Written in Java. Updated company's main product to include modern endpoints based on customer feedback. Restructured whole system for multithreading, with optional interrupts, performance gains even with synchronous processing.

Personal Projects

Toom World

Using Godot. Team of four. Programmed player controller, powers, and weapons. Programmed enemy powers and patterns, including final boss. Designed challenge rooms.

[Play Online.](#)

Portfolio Website

Used Javascript. Created a portfolio website designed to mimic the look and use of an Apple II terminal. Includes multiple retro-styled commands.

Web Servers

Used Node.js, ExpressJS, SQLite3, Socket.io, JS, Python. Created web sites in an effort to learn the tools and standards of front end and back end web development. Made varying apps and web scrapers.

Education

Rochester Institute of Technology – Bachelor of Science – 2014
Game Design and Development, minor in Digital Literature and Technology

Skills

Java - Javascript - Python - Godot - Git - Node.js - IntelliJ - C# - C++ - cmake - SQLite 3 - Unity 3D
Visual Studio – Maven – Teamcity – Microsoft Office

Other Experiences

Martial Artist – Video Game Collector – Downhill Skier – Electronics Tinkerer – SciFi/Fantasy Reader