

I aspire to work at the intersection of Computer Science, Mathematics, and Engineering. I currently work as a DBA and .NET developer at PolyPrint Inc in Tucson Arizona. When I began working at PolyPrint May 2016 I did not know .NET or MSSQL. I quickly learned both and became engrossed in the subtleties of database design and management. I now write various services and WinForms/WPFs in C# on the .NET framework for use within the company and contribute to the management of their database.

My most recent project was to develop a system for processing arbitrarily complex data queries and emailing human-readable results to specific people within the company. This system was accomplished with a combination of stored procedures and a locally hosted Windows Service. I developed the Windows Service, the database tables used for processing, and a standard convention for said tables. I successfully developed and deployed the reporting system, and I enjoyed the challenge of integrating all the technologies involved.

In another PolyPrint project I redesigned table schemas and intranet executables which performed monthly inventories. The existing system made taking inventory of PolyPrint's 10,000 square-foot factory a 3-hour process. In a month I learned the internals of PolyPrint's database and developed a Windows form to replace their existing system. PolyPrint deployed my software, and it successfully reduced the inventory time to an average of one hour and twenty minutes - a more than 50% improvement. My solution is now used every month to inventory the factory's stock of materials and shipments. This was my first project for the company and secured me a job with them.

I am excited for the opportunity to apply myself to new and unusual software development and engineering challenges. I thrive on creative technical problem solving and would like to bring my commitment and creativity to bear on the challenges faced by the modern world. Thank you for taking the time to read about me.

Tyler J Gabb