*Clayton E. Gifford*

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EDUCATION

**University of Toledo** December 2004

B.S. Computer Science Engineering Toledo, OH

WORK EXPERIENCE

**CrowdStrike** July 2022 - Present

Senior Software Engineer (Remote)

* Designed and developed the Crowdstrike store, https://store.crowdstrike.com
* Created dashboards for analysis in the falcon store using ember

**Criteo** May 2021 - July 2022

Senior Software Engineer Ann Arbor, MI

* Championed the integration and development effort for Commerce Media Platform
* Designed Data Analytics Dashboards in React and Scala
* Created restful api endpoints in .net core and wrote vertica sql

**ProModel** December 2011 - May 2021

Lead UI developer Ann Arbor, MI

* Architected the client and server using Angular 11, TypeScript, WebApi, .NET Core, and Oracle.
* Continuous build and integration utilizing angular cli, gulp, and TeamCity.
* Created a Gamification App using HTML 5 and CSS3 with D3, React and Node.js.
* Setup unit testing framework using Jest, E2E with Protractor
* Designed a Predictive Simulation Solution using Silverlight 5.0, RIA services and EF
* Developed a custom Timeline to allow the Army to visualize, process, and make better decisions
* Created RESTful endpoints and microservices using WebApi to provide JSON data
* Acquired Secret Clearance as this simulation project was funded and used by the Government

**BST Global** April 2009 – December 2011

WPF / Silverlight Lead UI developer Tampa, FL

* Participated in multi-tier development effort worked as a WPF/Silverlight Lead
* Developed auto generated UI based on published models
* Worked directly with Business Analysts to develop Custom UIs
* Integrated with 3rd party controls, Telerik, Xceed, and Divelements
* Provided a blazing startup using BackgroundWorkers and a SplashScreen
* Hosted training sessions for junior developers on Silverlight and WPF

**TimeKeeping Systems Inc.** May 2007 – April 2009

Senior Software Engineer Solon, OH

* Developed WPF & Silverlight 2.0 Main UI in a View Model Scheme under the 3.5 Framework
* OPC UA Client in C# 3.5 WPF, used commands to asynchronously retrieve domain objects
* Drag Drop Manager to customize and extend the UI
* Created Wizards, following the Aero guidelines, to configure a system
* Developed custom controls in WPF, for 3D objects, Hiding, and Windows Management
* Created Client side Report Viewer to unify the printing mechanics
* WPF TrayIcon that communicates via WCF to display the overall state of the System
* Used WPF, C#, Team Server, Reporting Services, email to automate the build process

**ABB Automation** February 2005 - May 2007

Software Engineer Wickliffe, OH

* Performed builds using Microsoft, Installshield, and Aspect Studio
* Created an Install using Installshield 11.5 for Client Licensing (CLS)
* Wrote Code in C# .Net and C++ for PC, Network Monitoring (PNSM)
* Designed OPC Server code for interaction with Client WMI Scripts
* Diagnosed and fixed handle and memory leaks, and performance bottlenecks

**IBM Corporation** August 2002 - January 2003, January 2001 - August 2001

Software Engineer/Co-op Rochester, MN

* Developed Java applications to analyze WebSphere with DB2, Oracle, Sybase, and Informix
* Wrote and designed Container Managed Persistence over Anything (CMP/A) in Java
* Deployed automated test platform to download, install, and execute regression tests

**Industrial Engineering Technologies** May 1999 to August 1999

Industrial Engineer Toledo, OH

* Created an online database, established on-the-fly graphics, and server access
* Renewed existing web page, assigned realism using GIFs, and developed employee security
* Trained in various time study ideas, prepared and delivered reports

**Commercial Comfort Systems** May 1998 to August 1998

Computer Technician Grand Rapids, OH

* Engineered total project cost database with security access using C++
* Assisted in maintaining/updating company web page
* Modified AutoCAD layout for HVAC system installation

SURFACE

**Dr Pickles** February 2013

* Developed with Xaml and C# in the 4.5 Framework
* Created a Xaml WinRT app to run on Surface, available in the Windows 8 App Store
* Three modes of play: single player, two player over wifi using a wcf duplex connection, and cpu
* Designed with Visual Studio 2012, Microsoft Expression Blend and Adobe Photoshop

SILVERLIGHT

**Andy’s Fine Woodworking** Santa Cruz, CA June 2009

* Developed with Silverlight 3.0 and C# in the 3.5 Framework
* Worked directly with the Client to create pictures, layout, and theme
* Used the View Model Pattern to provide a seamless user experience
* Interactive PhotoAlbum to display Client’s portfolio
* Designed with Microsoft Expression Blend and Adobe Photoshop
* Directly linked contact page to email account using SMTP

**NCAA Basketball Tournament Challenge** Cleveland, OH March 2009

* Developed with Silverlight 3.0 and C# in the 3.5 Framework
* Bracket of NCAA tournament is displayed using the Deep Zoom technology
* Demonstrated use of AJAX, JavaScript, and ASP .NET 2.0
* Shared queries, table design all in SQL 2005
* SOE, Google Search and High Performance counters for Optimization
* Art designed in Adobe Photoshop to satisfy the Visual Experience
* Login, Email recovery using SMTP, and site security.

PROJECTS

**Missile Wars** August 2004 to December 2004

Senior Design Project

Programmed a C# and .NET application giving single or multiplayer for the PDA or PC

**Genetic Research** May 2004 to August 2004

University Medical Center Toledo, OH

Provided custom PHP/MySQL Mouse Colony Database for Gene Tracking

**Artificial Intelligence** August 2003 to December 2003

Designed an Artificial Neural Network to pattern attributes of Breast Cancer

**3d Basketball Game** character modeling C++, OpenGL, and 3d Max

**3d Room** C++, OpenGL, Milkshape 3d, and Photoshop

**Tetris Program** C++, OpenGL, and Photoshop

COMPUTER SKILLS

**Languages:** Typescript, Javascript, Xaml, HTML 5, CSS3, C, C++, C#, .NET 4.0, 5.0, WPF, SilverLight, Java, Flash, XML, PHP, and SharePoint

**Databases:** SQL 2008 R2, Informix, MySQL, DB2, Oracle, Sybase, and Access

**Software Packages**: Expression Blend, Photoshop, AutoCAD, OpenGL, Matlab, Milkshape 3d, and WebSphere

**Operating Systems:** Mac OS X, UNIX, AIX, HP, Windows, and DOS

**Mobile:** Windows App Store, WinRT, Surface, Windows Phone

**Javascript:** Angular 11, Typescript, Babel, Webpack, Gulp, D3.js, AngularJS, Backbone.js, Handlebars.js, jQuery, ExtJs, Dojo, script.aculo.us, JavaScript Toolkits, ember, Node.js, knockout, three.js, WebGL