**Doug Hagerman**

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[Portfolio](https://www.MathCompiler3D.com/Portfolio)

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**Objective:** Professional candidate specializing in GUI development for 2D & 3D in Wpf / C# looking to push the limits of what’s possible in software engineering.

**Summary of Skills and Strengths**

1. Wpf, C#, Helix, GUI -Specialist 2D & 3D
2. Custom Controls – 2D & 3D, tree walking, attached behaviors, custom markup extensions
3. 3D Modeling, parametric assemblies, MP4 creation
4. Animation using dynamic storyboards
5. Jira, TFS, NUnit, Subversion,
6. Sql Server, Sql Clr, Oracle, Access, Entity framework
7. Technical lead, Mentor
8. MEF, Windows Services, Web Services, WCF, Remoting
9. Customer requirement gathering, 50, 70, 90% ROMS, retrospectives
10. WinForms, Vb.Net, VB6, VBA
11. Prism, Chief Architect, Citrix
12. Work closely with UX team for sprint designs, owned all common controls and shared libraries
13. Scientific applications, jscript and C# formula evaluators

**Exposure To**

1. C++, Direct X for 3D
2. UWP apps, J#
3. Photoshop, Blender
4. OpenGL, SharpDx
5. As400

**Industries**

1. Energy, Finance, Construction, Plastics
2. Science, Medical, Tech CSI, Travel

**Known for**

1. Having the most raw talent on the team
2. Leading my team to have the fewest defect in the company across all teams
3. Having the skills of a project manager

**Accomplishments**

1. Created a weatherization system @ Multnomah County
2. Wrote services to automatically add meta data for advertising images on arrival at @Microsoft
3. Transformed finance department final data processing to update EOM snapshots @ aQuantive
4. Reduced tracking time for employee bonus program in Excel @40 hrs. wk., to 2 hrs. Wk. @ Achilles
5. Enabled clients to upload land snapshots and see their 3D home rotating @ U.S. Building System
6. Dynamically modeled 3D Catheters which is now published in diagnostic medicine @ Acutus
7. Design multiple plugins for energy companies in Australia to track 6/60 second fail overs @ Areva
8. Produced 3D software to model woodyard, workstations, workflows, 3D inventory, and outdoor store configurations @ Reecer Creek Wood Yard
9. Worked directly with Scientists to chart assay test results @ Invitrogen
10. Use Sql Clr to perform bulk updates in Xml to Sql Server
11. Provided a wizard to configure undocumented proprietary hardware @ SRT
12. Provided an easy-to-use dll distributor tool for publishing plugins after compile time for multiple models @ SRT
13. I author, sell, contract and freelancer with the Scientific Research Suite & MathCompiler3D
14. 3D worlds, dynamic animations, virtual whiteboard, combinatorics, on demand animation
15. I publish a 3D on-line magazine called conceptual design
16. I Volunteer at local church for 3D media creation using Wpf / C#

**Work Experience**

3D SME MathCompiler3D Klamath Falls, OR 2023-Current

3D SME Acutus Medical - Remote Ellensburg, WA 2022-2022

3D SME Reecer Creek Wood Yard Ellensburg, WA 2018-2021

Senior Software Eng SRT David, FL 2017-2017

Tech-lead Wpf C# Travelport - Remote Ellensburg, WA 2011-2016

Senior Software Eng Invitrogen Madison, WI 2010-2010

Solution Architect Multnomah County Portland, OR 2009-2009

Rebuilt house after fire Personal Time Cle Elum, WA 2008-2008

Senior Software Eng Microsoft Redmond, WA 2007-2007

Senior Software Eng Areva Redmond, WA 2006-2007

Senior Software Eng AQuantive Seattle, WA 2004-2006

Senior Software Eng CIO Trust Tukwila, WA 2003-2004

Solution Architect U.S. Building Systems Tulsa, OK 2001-2003

Software Engineer Achilles Everett, WA 1998-2001