

**MECHANICAL DESIGNER, 2005 - Present**

Biwater-AEWT

**Overview:** As a Mechanical Designer I have the ability to work closely with Project Managers, Process Engineers to design large scale 3D Layouts for Reverse Osmosis Water Treatment Plants for both bids and quotations.

**Duties:** Prepared detailed 3D Piping Layouts, fabrication piping drawings. Converted 2D Autocad drawings for use in Inventor 3D Designs, extensive use of Vault server for managing files. Created section views & details. Designs include Air Assisted Clarifiers, Rapid Gravity Filters in addition to the SWRO plants.

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**GRAPHICS DESIGNER, (Off-Site Consultant) 2004 - Present**

Fresno State University, National Guard, Homeland Security

**Overview:** Developed interactive CDs with full navigational functionality. These CDs put Fresno State University, Fresno National Guard & California Homeland Security in the forefront of multimedia technology. Communicated with replication company's for CD Rom artwork & media.

**Duties:** Extracted graphics, text, & video content from customer's websites & other materials for use in projects, Converted word documents into Flash navigational screens, Created various animated Flash content, Designed a navigationally friendly menu system with feedback rollovers, Audio/video compression, Implemented & managed multimedia designs.

**Clients:** California Homeland Security -"HSTEP-Homeland Security Training & Exercise Program"; CSU Fresno -"Accelerator Online", "ODB-Outsourcing Data Bank", "Valley Technology Accelerator"

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**GRAPHICS DESIGNER, 1996 - 2003**

Matchstorm Studios, BounceBack Media, Kinetico, Inc.

**Overview:** Worked closely with CEO & sales to help bring creative marketing ideas to reality thru useable marketing tools. I was able to communicate company's products & services into a dynamic online tool that communicated weekly with customers thru an Email Broadcast System & streaming audio & video.

**Duties:** Turned 3D images into videos for CD Rom, Website & Touch Screen Kiosks. Edited narrated audio for use in videos, compressed audio & video for online streaming. Designed & manufactured Touch Screen Kiosk for sales & marketing. Created Green screen enabled 3D sets for customers to use for promotions. Designed custom shaped CD ROMs for military recruiting, CD interfaces for automobile industry, Air Force & National Guard. Managed CAD/CAM CD cutting machine by producing binary code from Autocad DXF files. Converting literature into navigational PDF files. Designed & Developed Interactive Technical CD ROMs for Asian market OEMs. Managed & controlled all tradeshows, websites & the integration of all engineering drawings, documents into CDs for marketing & worldwide distribution.

**TECHNICAL PROFICIENCY**

Advanced	Intermediate	Beginner
Website Management	2D Illustration	Logo Design
Website Design	Desktop Publishing	Sound Editing & Compression
Conceptual Mechanical Layouts & Designs	3D Modeling Design & Rendering	
Consulting	Computer Customization	
Tradeshows Design & Management	Touch Screen Kiosk Design & Fabrication	
	Video Production & Compression	
	Electronic PDF File Creation	
	CD Authoring & Design	
	Email Broadcast	
	Computer Animation	

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**SOFTWARE PROFICIENCY**

Advanced	Intermediate	Beginner
Ultra Key Green Screen Software	Autodesk AutoCAD	Canvas 8
Adobe Photoshop	Lightwave	Sound Forge
Adobe Premiere Pro	ACT! 2000	Microsoft Excel
Adobe Dreamweaver	CorelDraw 10	NetObjects Fusion
Inventor 2009 Pro	Adobe Illustrator	Adobe Pagemaker
	Adobe Acrobat	Adobe After Effects
	Adobe Flash	
	Director MX	
	Microsoft Access	
	Microsoft Word	
	SolidWorks 2008	
	Vault Server	

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**EDUCATION & CERTIFICATION**

**Education**

St. Andrews College (Secondary Certificate of Education)-S.Africa  
Millfield College / Cambridge Tutorial College – (O-levels) - UK

**Certification**

*CADPerformance Inc.* (Authorized Autodesk Training Center) - 1991

Intermediate, Introduction & Customizing AutoCAD

*SkillPath Seminars* - 1996

"Using the Internet"

*CareerTrack Seminars* - 1996

How to Design Eye-Catching Brochures, Newsletters, Ads, Reports™

*Digital Dimensions* (Authorized SolidWorks Training Center)

Essentials Training - (2008)

Advanced Parts Modeling - (2008)

Advanced Assembly Modeling - (2008)

*KETIV Technologies* - Autodesk Inventor 2009 Pro

Autodesk Inventor 2009 Certified Associate (2009)

*FAA Private Pilots License* - (1999)

Glider rating issued

Powered aircraft training in progress