

PAOLO HILARIO

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PERSONAL INFORMATION

Date of Birth: October 06, 1976
Place of Birth: Manila, Philippines
Citizenship: United States of America

PROFESSIONAL EXPERIENCE

Scenario Virtual Project Delivery, Anaheim CA.
Product Development Director

JAN 2008 - Present

Conceptualized, architected, and managed the development of Scenario VPD's entire suite of products, a framework that enables companies within the AEC Industry to effectively manage information, processes, and organizations involved in delivering projects using BIM/VDC.

Architected and managed the development of the proprietary software technology and design processes used by KHS&S International's Rockwork and Water Technologies Division.

Responsible for assembling and managing a high functioning software development team, responsible for resource planning, product development schedules, advanced research & development, programming, and managing Scenario VPD's overall product & technology roadmap.

Technical Director / Design Manager

Developed an end to end design development process pipeline for the newly formed 3D Design Department focused on the concept development, design, fabrication, and construction of theme park attractions and rockwork features. Responsible for the research, development, and implementation of BIM & VDC based processes for design, engineering, and computer assisted fabrication departments. Developed all proprietary in-house tools and software to facilitate the integration and automation of the design and production pipeline.

Assembled and Managed the 3D Design Department, including resource planning, project scheduling, and served as the technical advisor to specific projects on an as-needed basis.

Lucetius Design, Covina CA.
Technical Director

APR 2006 - DEC 2007

Re-Engineered the existing 3D Modeling, Animation, and Video Compositing pipeline. Designed and Developed all in-house production tools resulting in a 40% reduction in Project Delivery Schedules.

Headrick & Associates, San Clemente CA
Technical Director / CG Supervisor

JUN 2004 - APR 2006

Developed an end to end 3D Modeling, Animation, and Video Compositing pipeline for a startup studio including all hardware and software infrastructure. Designed and Developed all in-house production tools.

PROFESSIONAL EXPERIENCE (CONT.)

Focus 360, Laguna Nigel CA.

JAN 2002 - JUN 2004

Project Lead / Animation Lead

Project Lead, Animation Lead for Architectural Pre-Visualization of various development projects.

Wirt Design Group, Pasadena CA

APR 2000 - JAN 2002

3D Pre-Visualization Specialist

Concept Development, Pre-Visualization, and 3D Constructability Review for Commercial Interiors

Shercon Inc., Cypress CA

AUG 1998 - APR 2000

Applications Engineer

Engineered custom masking products for the rubber products division, programmed CNC wire bending machines for a new paint hook line of products, and developed and maintained technical specification documents.

PROJECT EXPERIENCE

Disney California Adventure, Carsland: Anaheim, CA

Scenario Design / KHS&S International

Technical Advisor : KHS&S Rockwork & Water Systems

Disney California Adventure, Little Mermaid: Anaheim, CA

Scenario VPD / KHS&S International

Technical Advisor : KHS&S Rockwork & Water Systems

Grand Aquarium: Ocean Park, Hong Kong

Scenario Design / KHS&S International

Design Manager / Technical Director

Journey To Madagascar: Universal Studios Singapore, Sentosa

Scenario Design / KHS&S International / C.W. Driver

Design Manager / Technical Director

Lights, Camera, Action: Universal Studios Singapore, Sentosa

Scenario Design / KHS&S International / C.W. Driver

Design Manager / Technical Director

Al Raha Gardens: Abu Dhabi, UAE

Lucetius Design / 5+Design

Project Lead: Concept Development / Pre-Visualization

Mahd Al Nile / Cairo Town Center: Cairo, Egypt

Headrick & Associates / WATG

Project Lead: Concept Development / Pre-Visualization

Al Nakheel Plaza: Dubai, UAE

Headrick & Associates / WATG

Project Lead: Concept Development / Pre-Visualization

Earthlink: Pasadena, CA

Wirt Design Group

Project Lead: Concept Development / Pre-Visualization

EDUCATION

University of California, Irvine, CA
Certificate in Project Management, PMP

Present

University of California, Irvine, CA
Certificate in Six Sigma Lean, SSGB

Present

Marshall University, Huntington, WV
B.A. in Fine Arts: Graphic Design & New Media
Minor: Communications

1994 - 1998

ADVISORY BOARDS

Stanford University – Center for Integrated Facilities Engineering
Member - Technical Advisory Committee

2010 – Present

PROFESSIONAL SKILLS

Project Management Skills

SDLC – Software Development Life Cycle
Agile Software Development – XP/Scrum
Six Sigma Green Belt

Programming Languages

Desktop: C# .NET, WPF, WinForms, WCF, OBJ-C, Java (J2EE), Python
Database: MS Access, MS SQL Server 2005 & 2008 R2, MSSQL Compact, MySQL, SQLite
Script Languages: MaxScript, MelScript, AutoCAD Lisp
Mobile: IOS, Android
Web Development: HTML, CSS, JavaScript

Productivity Software

Microsoft Word, Excel, PowerPoint, Outlook, Access, Visio, Project; Release 2000 - 2010
Apple Pages, Numbers, Keynote
Oracle Primavera P6

AEC, BIM, VDC Software

Autodesk AutoCAD 14 – 2011, AutoCAD Architecture 2008-2011, Revit 2009 – 2011, NavisWorks 9 - 2011
Solibri Model Checker, Synchro Professional, Innovaya Visual QTO

Media Production Software

Autodesk 3DSMAX 3.5 - 2011, Maya 2010 - 2011
Adobe Illustrator, Photoshop, Premiere, After Effects, InDesign, Flash; Release CS2 - CS5
Pixologic Zbrush 2 – 4, Eyeon Fusion 5 – 6.1, Nuke, Boujou
Apple Final Cut Studio

PUBLICATIONS AND PAPERS

- BIMFO Blog – BIM & VDC Technology and Processes
<http://bmfo.paolohilario.com>

PATENTS

Dimensioned Modeling System

Inventors: Paolo Hilario et al.

A construction project management system comprising: at least one modeling workflow application configured to provide functionality for creating...

<http://www.faqs.org/patents/app/20100241477>

U.S Patent Number

20100241477

Integration System Supporting Dimensioned Modeling System

Inventors: Paolo Hilario et al.

A computer implemented system operative to store construction project information originating from multiple sources and to apply rules...

<http://www.faqs.org/patents/app/20100241471>

U.S Patent Number

20100241471

Method of Three-Dimensional Theming

Inventors: Paolo Hilario et al.

A method of fabricating a thematic design article, comprising the steps of: formulating from a three-dimensional computer model of the article...

<http://www.faqs.org/patents/app/20090113969>

U.S Patent Number

20090113969

PROFESSIONAL MEMBERSHIPS

- U.S. Green Building Council
- Project Management Institute
- Lean Construction Institute
- American Society for Quality
- International Society of Six Sigma Professionals

PERSONAL INTERESTS

- Fishing, Camping, Archery, Skeet & Trap Shooting
- Astrophysics, Sociology, Psychology, Computing