

Gateway to the Future:

Blockchain, AI, Spatial Computing, Metaverse and What it Means To You

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Founder and Chairman
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Smart Cities Development
Design | Construction | Operations
Innovation Development and Delivery
Housing | Transportation | Technology | Energy | Media



Forbes

“Changing The
World”



“An American Business
Titan”

Bloomberg

“Global Leader”



revit
revolutionizing building design

**getting started
with Revit**



made in the U.S.A.

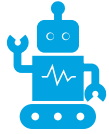
revit
revolutionizing building design

Release 1.01

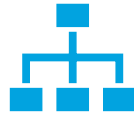
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Revit Technology Corporation

6/00

TDG Technology Experience



Digital Twins / Virtual Worlds / Metaverse
Cyberplaces - 1997



Project Management
Buzzsaw - 2000



Building Information Modeling (BIM)
Revit – 2001



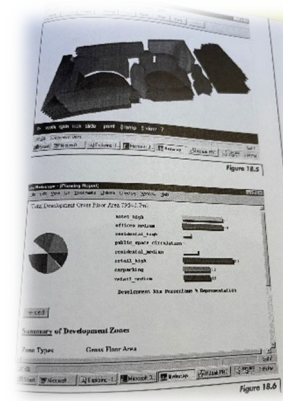
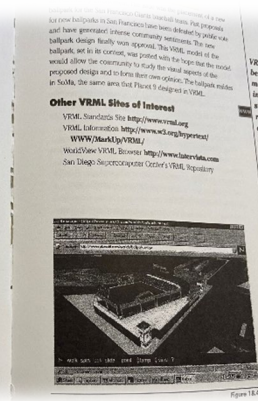
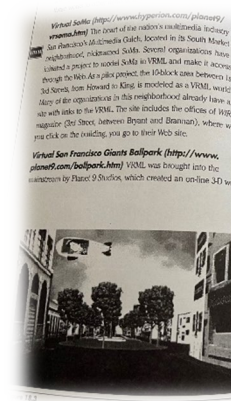
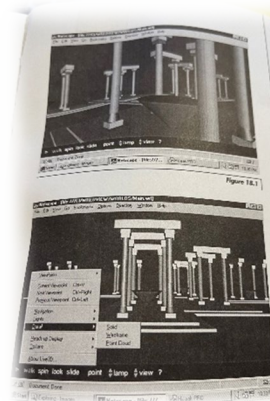
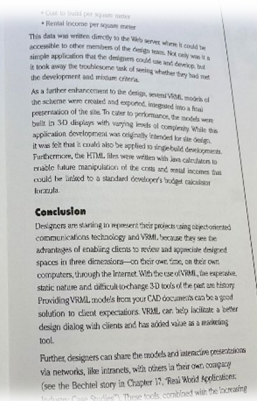
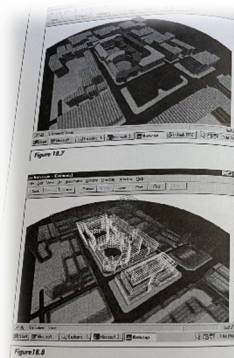
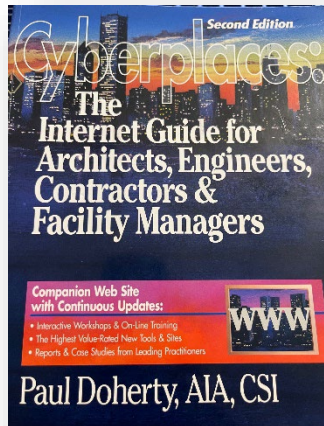
Facility Management
TRIRIGA – 2008



Smart Cities
TDG - 2008



VFX
Screampoint – 2012





BUILDING INNOVATION
Conference

Gateway to the Future



Blockchain



BIM Process



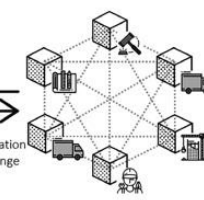
BIM design and managerial decisions

Smart Contract



Automated process by Smart Contract

Blockchain



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Supply chain and payment information from the Blockchain

On Site

BIM

Blockchain

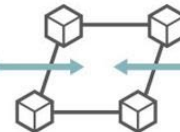
Smart Contract



Site information, position of a beam



BIM 'as built' update



Updates are logged and secured



Payment
Following Task Order

Construction Data Assurance™ Blockchain DAO Decentralized Autonomous Organization

Industry Associations
Private AEC Companies
Building Product Manufacturers
NGOs

CDA Member Access for the following solutions

Analysis

Reports

Custom, Repeatable Reporting

Benchmarks

Other 3rd Party Offerings



AI

Prompt Engineering / Architecture



Prompt Engineering



How to structure Prompts:

Specify the scenario

Use specific formulations

Assign a role in the instruction

Formulate the instructions clearly

Provide the model with additional information

Midjourney

Public

Home

1 Event

Browse Channels

INFO

announcements

status

rules

faq

getting-started

welcome

SUPPORT

trial-support

NEWCOMER ROOMS 3

newbies-113

newbies-143

NEWCOMER ROOMS 4

newbies-173

CHAT

discussion

philosophy

prompt-chat

off-topic

getting-started

DavidH 07/21/2022 12:36 AM

Hey! We're excited to have you as an early tester in the Midjourney Beta.

To expand the community sustainably, we give everyone a limited trial (around 25 queries), and then several options to buy a full membership.
- Full memberships include: unlimited generations (or limited w/ a cheap tier), and generous commercial terms.

HOW TO USE (PLEASE READ)

To create images:

1) Go to one of the "newbie" bot channels (self)

12:37 AM

Midjourney

newbies-1

2) Type `/imagine` and then whatever you want

3) The bot will send you 4 images in 60 seconds

4) Click numbered buttons underneath to get upscales (U) or variations (V)

Note: If you don't see the channels, please restart your Discord app or browser.

Other important things to know

- Once your trial has ended, become a paid membership with `/subscribe` or go to <https://www.midjourney.com/account>

- For detailed information and how-to go to <https://midjourney.github.io/docs>

- To see your creations sign in at: <https://midjourney.com/>

- By using our service you agree to our `#rules`


Need help? Ask in `#trial-support` or type `/info` to see your account details (self)

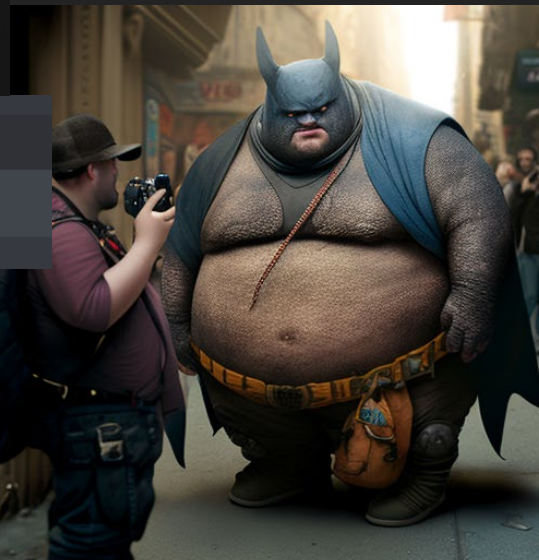
DavidH 07/21/2022 12:49 PM

Have fun! ❤️



prompt The prompt to imagine

 `/imagine`



Midjourney


newbies-113

Bot room for new users. Type `/imagine` then describe what you want to draw. S

100+ new messages since 9:20 AM

V1 V2 V3 V4

interior of a vr theater - @PaulDohertyAIA (fast)



U1 U2 U3 U4

V1 V2 V3 V4





Spatial Computing



Metaverse



Metaverse Ecosystem

Digital Twins
Virtual Worlds
Metaverse

Levels of Engagement
Levels of Experience





Metahuman Avatar





Projects





HEDA GROUP
和达集团
以用户为本 达则致远

Qingdao International Virtual Reality Theme Park



Concept Design



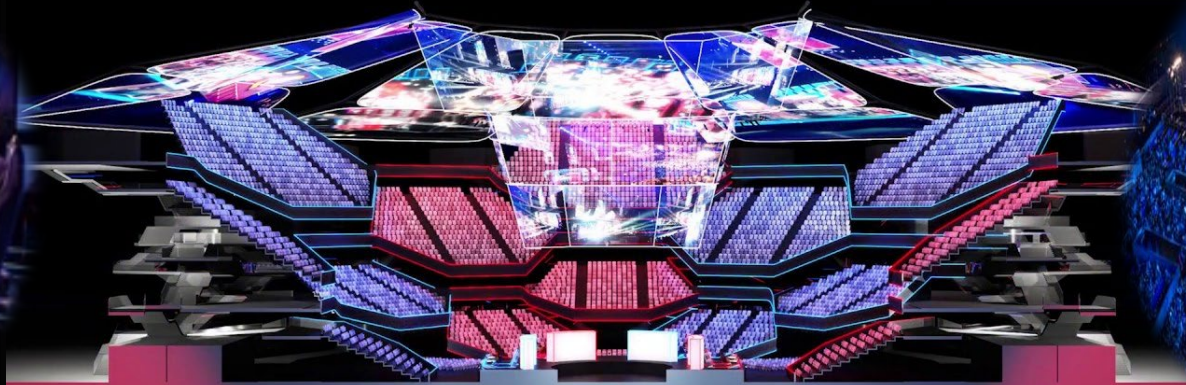
Luxury Resort Hotel Towers & Residences

انسجام



Harmony

eSports Arena



REIMAGINING
THE URBAN
EXPERIENCE

SMART CITIES

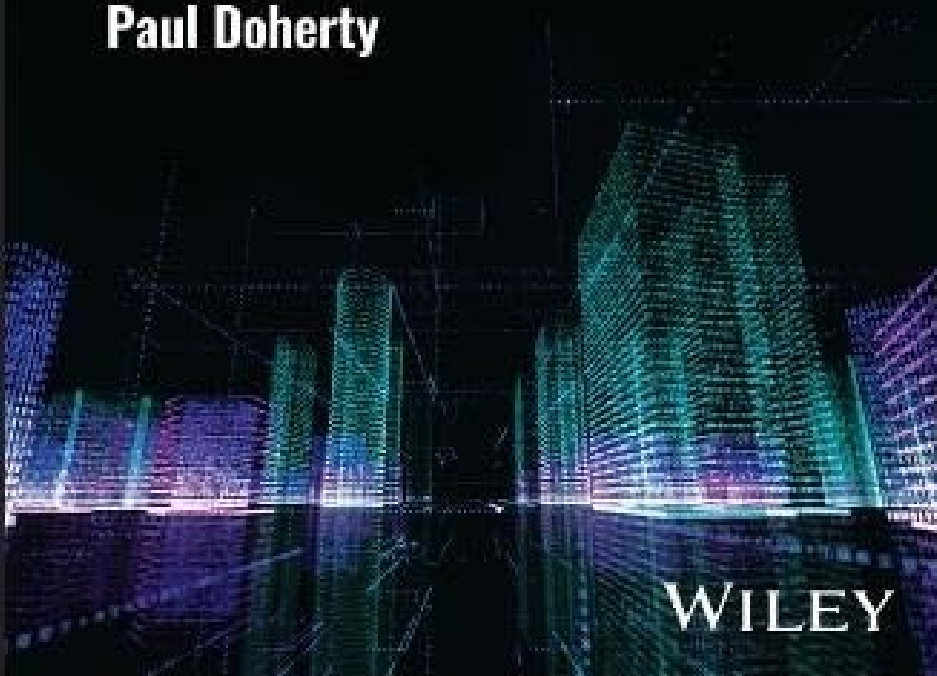
PAUL DOHERTY



Unlocking The Metaverse

A Strategic Guide for the Future
of the Built Environment

Paul Doherty



WILEY





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