

MORNING MOUNTAIN  
**AI GUIDE**



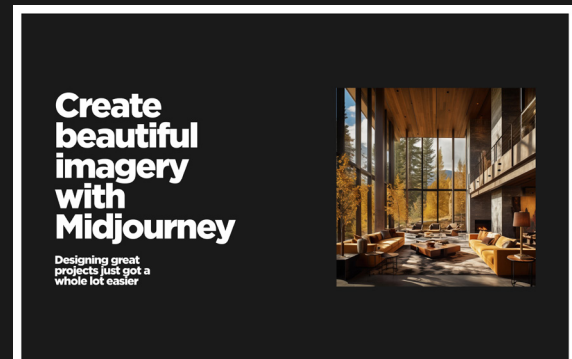
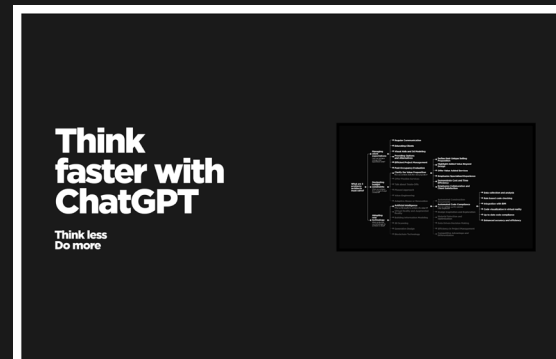
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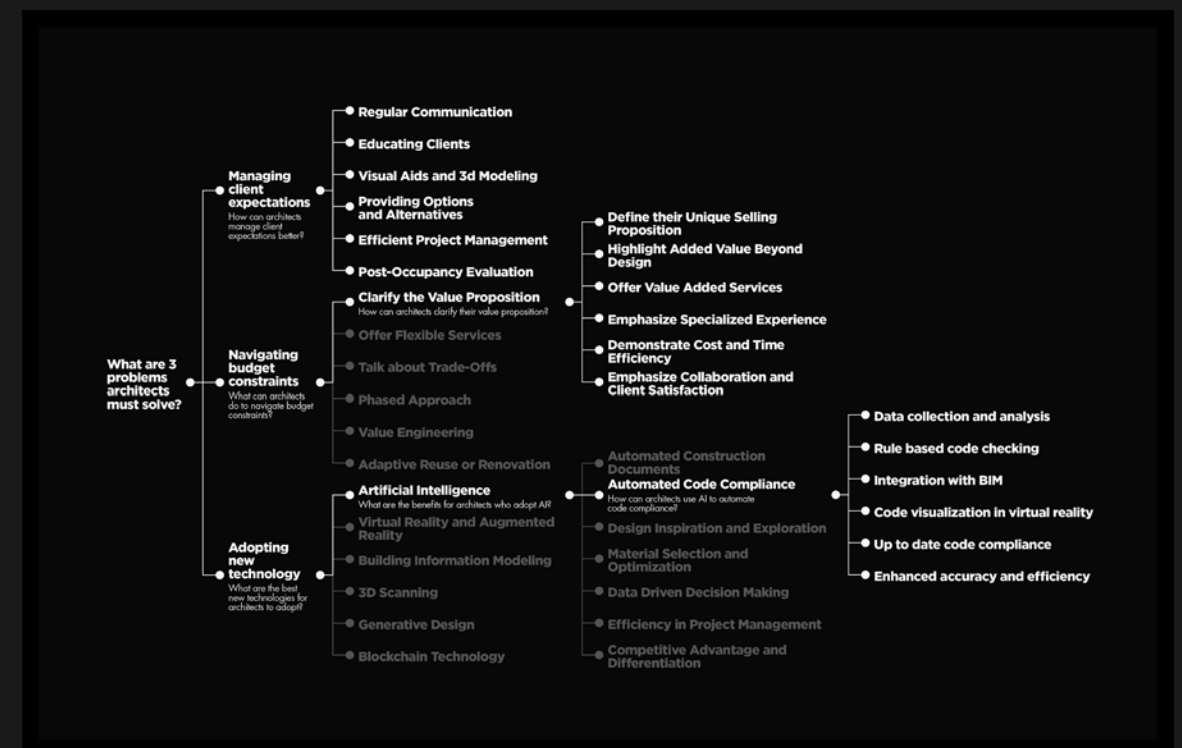
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# Think faster with ChatGPT

Think less  
Do more





# What are 3 problems for architects?



# Three Problems for Architects

## **Managing Client Expectations**

Architects must strike the delicate balance of meeting their clients' visions, needs, preferences, budget, and timeline while adhering to technical requirements and regulations. Translating clients' ideas into a viable design that satisfies their expectations can be challenging.

## **Navigating Budget Constraints**

Working within the limitations of a client's budget can be demanding. Architects must find creative and innovative solutions to design projects that meet their clients' expectations while staying within the allocated budget. This involves optimizing material choices, exploring cost-effective construction methods, and considering long-term operational costs. Architects must balance the financial aspects of a project without compromising the overall quality and functionality of the design.

## **Adopting New Technology**

The architectural industry is continually evolving with new technologies, software, and design tools. These include building information modeling (BIM), computer-aided design (CAD), virtual reality (VR), artificial intelligence (AI) and other digital tools that enhance design visualization, collaboration, and efficiency. Keeping up with these advancements and investing time and resources to learn and integrate them into their workflows can be challenging for architects.

## Managing Client Expectations

# How can Architects Manage Client Expectations Better?

### **Regular Communication**

Maintaining open and regular communication with clients is essential. Architects should provide updates on the design progress, seek feedback at critical stages, and promptly address any concerns or questions the client may have. This ongoing dialogue helps ensure that client expectations are understood and incorporated into the design.

### **Educating Clients**

Architects should help manage client expectations by providing realistic assessments of what can be achieved within the project's constraints. This includes discussions on budget limitations, regulatory requirements, and the impact on the overall design. Educating clients about design principles, construction processes, and the architect's role can also enhance their understanding and satisfaction.

### **Visual Aids and 3d Modeling**

Architects can use visual aids such as sketches, renderings, and 3D models to help clients visualize the proposed design. These tools facilitate a clearer understanding of the spatial arrangements, proportions, and overall aesthetics, reducing the potential for misinterpretation.

### **Providing Options and Alternatives**

Architects can present clients with different design options and alternatives. This allows clients to have choices while considering factors such as cost, functionality, and aesthetics. Offering alternatives demonstrates flexibility and empowers clients to make informed decisions that align with their priorities.

### **Efficient Project Management**

Implement effective project management practices to streamline processes and optimize resource allocation. Develop a detailed project schedule with clear milestones, assign responsibilities, and track progress regularly. Effective communication and coordination with all stakeholders, including consultants and contractors, are essential for efficient project execution.

### **Post-Occupancy Evaluation**

Following project completion, architects can conduct post-occupancy evaluations to assess how well the design meets the client's expectations and functional requirements. Gathering feedback and insights from clients about their experience with the design can inform future projects and improve the architect's ability to meet client expectations.

## Managing Client Expectations

# What do Clients Value Most in an Architect?

### **Design Expertise**

Clients expect architects to have a deep understanding of design principles and the ability to create aesthetically pleasing and functional spaces. They value architects who can generate innovative and creative design solutions while considering the client's vision, requirements, and budget.

### **Technical Knowledge**

Clients value architects who possess strong technical knowledge and expertise in various aspects of architecture, including construction materials, building codes, regulations, and sustainable design practices. They rely on architects to provide accurate and practical solutions that comply with industry standards and local regulations.

### **Communication Skills**

Effective communication is crucial for a successful architect-client relationship. Clients appreciate architects who actively listen to their needs, clearly articulate design concepts, and maintain open and transparent communication throughout the project. A skilled architect can translate complex architectural concepts into understandable terms for the client.

### **Client Centered Approach**

Clients value architects who prioritize their needs and aspirations. Architects who actively involve clients in the design process, seek their feedback and preferences, and tailor the design to meet their specific requirements are highly regarded.

### **Problem Solving Ability**

Clients rely on architects to solve design challenges and overcome obstacles that arise during a project. They value architects who can think critically, identify potential issues, and provide innovative solutions while considering the project's constraints and objectives.

### **Professional Integrity**

Clients value architects who demonstrate professionalism, honesty, and ethical behavior. Architects who adhere to industry standards, deliver projects within budget and schedule, and maintain transparency in their dealings are highly regarded.

## Managing Client Expectations

# What Challenges do People Experience when Looking for an Architect?

### **Budget Constraints**

Architects' fees can vary significantly depending on their experience, reputation, and the scope of the project. Balancing the desired architectural expertise with the available budget can be a challenge.

### **Limited Availability**

Well-established and reputable architects may have a busy schedule, leading to limited availability. This can cause delays in project timelines or difficulties in securing their services.

### **Experience and Expertise**

Different architects specialize in various types of projects or architectural styles. Finding an architect with relevant experience and expertise in the specific type of project or architectural style desired can be challenging.

### **Identifying the Right Architect**

It can be challenging to find the right architect who aligns with the specific requirements and vision of the project. The process of researching and shortlisting potential architects can be time-consuming and overwhelming.

### **Communication and Understanding**

Translating design ideas and concepts into a tangible architectural plan requires effective communication. Miscommunication or a lack of understanding between the client and architect can lead to a design that does not meet expectations.

### **Compatibility and Trust**

Building a successful working relationship with an architect requires mutual trust and compatibility. It is crucial to find an architect who listens to your ideas, understands your vision, and can translate it into a practical design.



## Navigating Budget Constraints

# What can Architects do to Navigate Budget Constraints?

### **Clarify the Value Proposition**

Explain the value and expertise that the architect brings to the project. Highlight the unique skills, knowledge, and experience they possess, which contribute to the project's success and long-term benefits. Help the client understand how the architect's services can add value and potentially save costs in the long run through efficient design, better project management, or increased functionality. Share references or case studies of previous projects where the architect's services provided significant value or cost savings. Demonstrating successful outcomes and satisfied clients can help build trust and justify the value of the architect's fees.

### **Offer Flexible Services**

Collaborate with the client to identify specific services or deliverables that align with their budget. By adjusting the scope of services, architects can tailor their offerings to match the client's needs and financial constraints. This may involve prioritizing essential services and potentially excluding certain non-essential or discretionary aspects that can be handled by others.

### **Talk about Trade-Offs**

Clearly communicate to the client the consequences of design decisions in terms of cost implications. Identify the elements or aspects that are most important to them. Discuss potential trade-offs and compromises that may need to be made within the budget to achieve those priorities.

### **Phased Approach**

If the budget is limited, propose a phased approach to the project. Divide the project into stages, with each stage focusing on specific priorities or essential elements. This allows clients to proceed with the most critical aspects initially and undertake subsequent phases as their budget allows. Clearly explain the benefits and flexibility of this approach to the client.

### **Value Engineering**

Engage in value engineering to identify opportunities for cost savings without compromising the quality or functionality of the design. Evaluate different materials, construction techniques, and systems to optimize performance and reduce expenses. Value engineering involves analyzing the cost-benefit ratio of design decisions and making informed choices to achieve the best value for the client.

### **Adaptive Reuse or Renovation**

Architects can propose adaptive reuse or renovation of existing structures instead of constructing entirely new buildings. This approach can help save costs on demolition and new construction while breathing new life into older buildings. Renovations and adaptive reuse projects can provide unique character and cost savings for clients.

## Navigating Budget Constraints

# How can Architects Clarify their Value Proposition?

### **Define their Unique Selling Proposition**

Architects should identify and articulate what sets them apart from their competitors. This could be a specialized skill, a unique design philosophy, experience in a particular project type, or innovative approaches to sustainable design. By clearly defining their USP, architects can communicate their distinct value to potential clients.

### **Highlight Added Value Beyond Design**

Articulate how the architect adds value beyond the design itself. This could include their ability to optimize space utilization, incorporate sustainable features that reduce operational costs, improve user experience, or enhance long-term building performance. Explain how these factors contribute to the overall value and return on investment for the client.

### **Offer Value Added Services**

Architects can differentiate themselves by providing additional services beyond the standard architectural scope. This could include sustainable design consulting, interior design, project management, or assisting with obtaining permits and approvals. By offering comprehensive services that streamline the project delivery process, architects can showcase the added value they bring to clients.

### **Emphasize Specialized Experience**

Highlight any specialized expertise or knowledge that sets the architect apart. This may include certifications, sustainable design expertise, expertise in historical preservation, or familiarity with specific building codes or regulations. Explain how this expertise directly benefits the client's project.

### **Demonstrate Cost and Time Efficiency**

Architects should emphasize their ability to deliver cost-effective and time-efficient designs. Share examples of how the architect has overcome design constraints, resolved technical issues, or provided innovative solutions in past projects. By showcasing their experience in managing budgets, optimizing resources, and meeting project deadlines, architects can highlight the value they bring in terms of minimizing project costs and ensuring timely project completion.

### **Emphasize Collaboration and Client Satisfaction**

Architects should emphasize their commitment to collaboration and client satisfaction. They can describe their approach to working closely with clients, understanding their needs and goals, and involving them in the design process. By emphasizing their ability to listen, communicate effectively, and deliver designs that align with the client's vision, architects can build trust and demonstrate the value they bring to the client-architect relationship.

## Adopting New Technology

# What is the Best New Technology for Architects to Adopt?

### **Artificial Intelligence**

AI technology can automate repetitive tasks, generate design alternatives, and analyze complex data sets. AI-powered tools can assist architects in generating design options, optimizing energy efficiency, performing automated code compliance checks, and creating virtual design assistants.

### **Virtual Reality and Augmented Reality**

VR and AR technologies allow architects to create immersive and interactive experiences for clients and stakeholders. They can visualize and navigate through virtual environments, making it easier to communicate design intent, identify potential issues, and gain a better understanding of spatial qualities.

### **Building Information Modeling**

BIM has already gained significant adoption, but its capabilities are expected to expand further. BIM provides a digital representation of the building, enabling collaborative design, improved clash detection, cost estimation, and construction planning. Future advancements may include enhanced interoperability, cloud-based collaboration, and real-time project tracking.

### **3D Scanning**

Architects can utilize 3D scanning technology for site analysis, topographic mapping, surveying, as-built documentation, design and visualization, clash detection and coordination, and construction monitoring. This technology offers a quick and cost-effective way to capture site information.

### **Generative Design**

Generative design uses algorithms and computational power to explore a vast range of design options based on specified parameters and constraints. Architects can input design goals, and the software generates and evaluates numerous design alternatives. This technology helps architects explore innovative solutions and optimize designs based on specific criteria.

### **Blockchain Technology**

Blockchain has the potential to transform contract management, digital asset tracking, and secure data exchange within the architecture industry. Smart contracts, decentralized storage, and transparent data management can increase trust, improve project efficiency, and simplify the exchange of information among stakeholders.

## **Adopting New Technology**

# **What are the Benefits for Architects who Adopt AI Technology?**

### **Design Inspiration and Exploration**

AI algorithms can generate a vast range of design options based on input criteria such as site conditions, functional requirements, and aesthetic preferences. Architects can use AI-powered tools to explore alternative design solutions quickly, expanding their creative possibilities and saving time in the ideation phase.

### **Automated Construction Documents and Code Compliance**

AI-powered software can assist architects in creating construction document sets, analyze building codes, regulations, and zoning requirements to ensure compliance during the design process. By automating construction documentation and code-checking process, architects can quickly identify any conflicts and make the necessary adjustments, reducing the risk of errors and costly revisions.

### **Material Selection and Optimization**

AI algorithms can analyze material databases, considering factors like performance, cost, and environmental impact, to assist architects in selecting the most suitable materials for their projects. AI can also aid in material optimization by suggesting material combinations or alternatives that achieve desired structural, functional, and aesthetic requirements.

### **Data Driven Decision Making**

AI tools automate repetitive and time-consuming tasks, allowing architects to focus on higher-value activities. By leveraging AI for tasks such as generating documentation, performing code compliance checks, or analyzing building performance, architects can save time and increase overall efficiency. This streamlines workflows, reduces manual effort, and enables faster project delivery.

### **Efficiency in Project Management**

AI tools can assist architects in project management tasks such as scheduling, resource allocation, and cost estimation. By automating these processes, architects can optimize project timelines, monitor progress, and identify potential risks or delays more effectively. This leads to better project outcomes and improved client satisfaction.

### **Competitive Advantage and Differentiation**

Adopting AI technology gives architects a competitive edge in the industry. By embracing innovation and leveraging AI tools, architects can differentiate themselves by delivering unique designs, providing enhanced services, and meeting evolving client expectations in a technology-driven world.

## Adopting New Technology

# How can Architects use AI to Automate CD Sets?

### **Streamlined Documentation**

AI technology can automate the generation of code compliance documentation. By integrating with design software, the AI system can extract relevant design data and automatically populate code compliance reports or checklists, saving architects time and reducing manual documentation efforts.

### **Automated Drawing Generation**

AI algorithms can automatically generate 2D and 3D drawings based on design parameters and specifications. By inputting design information, the AI system can create floor plans, elevations, sections, and other necessary drawings, reducing the time-consuming manual drafting process.

### **Annotation and Dimensioning**

AI can assist in automatically annotating and dimensioning drawings. By analyzing the design intent and architectural elements, AI algorithms can intelligently place dimensions, labels, and text annotations in the appropriate locations, streamlining the process of annotating construction drawings.

### **Specifications and Material Callouts**

AI algorithms can help architects generate specifications and material callouts within the construction document set. By analyzing design parameters and data, AI can automatically populate material lists, product specifications, and associated details, improving accuracy and consistency in the documentation process.

### **Quality Control and Review**

AI-powered tools can aid in quality control and review processes by automatically analyzing construction documents for errors, inconsistencies, or missing information. The AI system can flag potential issues, ensuring that the document set is accurate and complete before submission.

### **Collaboration and Revision Control**

AI can enhance collaboration among team members working on the construction document set. By integrating with project management and document control systems, AI-powered tools can assist in version control, tracking changes, and facilitating efficient collaboration, ensuring that everyone is working with the most up-to-date information.

## **Adopting New Technology**

# **How can Architects use AI to Automate Code Compliance?**

### **Data Collection and Analysis**

AI can assist architects in gathering and analyzing vast amounts of data related to building codes, regulations, and compliance requirements. This data can include local, regional, and national building codes, zoning ordinances, accessibility standards, and more. By utilizing AI-powered data analysis tools, architects can quickly identify relevant regulations and extract key information to inform their design process.

### **Rule Based Code Checking**

Develop rule-based systems that incorporate AI algorithms to check designs against specific code requirements. These systems can automate the verification process by comparing architectural plans against relevant regulations. By encoding the rules and constraints into the AI system, architects can detect potential code violations early in the design phase.

### **Integration with BIM**

AI can be integrated with BIM software, enabling automated code compliance checks within the BIM environment. Architects can visualize code compliance results directly in their design models, facilitating a seamless and iterative design process. This integration enhances collaboration among project stakeholders, such as architects, engineers, and code officials, streamlining communication and coordination.

### **Code Visualization in Virtual Reality**

AI-powered visualization tools can overlay compliance-related information onto architectural designs using virtual reality. Architects can see real-time feedback overlaid on their models, identifying non-compliant elements and suggesting modifications. This approach enhances collaboration and expedites the iterative process of achieving code compliance.

### **Up to Date Code Compliance**

AI systems can continuously learn and improve by leveraging feedback from architects, code officials, and regulatory agencies. By incorporating these insights into their algorithms, AI tools can adapt to evolving code requirements, regional variations, zoning regulations, and best practices, ensuring that they stay up-to-date with the latest regulations reducing the risk of overlooking new regulations and maintaining compliance throughout the design process.

### **Enhanced Accuracy and Efficiency**

AI-powered code compliance tools minimize the potential for human error and oversight. The algorithms can rapidly analyze complex code requirements, cross-referencing multiple regulations and standards, and provide accurate results consistently. This improves the efficiency of the code compliance process, allowing architects to focus on design creativity and other critical aspects of their work.



# Create beautiful imagery with Midjourney

Designing great  
projects just got a  
whole lot easier



## PROJECT

### LANDSCAPE

Louisiana bayou swamp  
Meandering streams with enchanting nooks  
Southern live oak trees with hanging spanish moss  
Lush foliage that creates a serene environment  
Glowing fairytale lights

### ARCHITECTURE

Craftsman and bungalow style two story house  
Deep eaves with wide porches  
Dark green and brown wood shingle siding  
Elaborate beams adorned with intricate joinery  
Evokes a sense of magic and awe

### INTERIORS

Sanctuary of intricate wood craftsmanship  
Captivating fusion of opulence and simplicity  
Rich woods in a range of hues from deep chocolate to warm amber  
Infusing the space with a sense of warmth and nobility  
Light filtering through leaded glass windows  
Earthy tones that offer a sense of tranquility and connection to nature  
Handwoven rugs with intricate patterns and muted hues

### OBJECTS

Rich dark woods, deep jades, glowing amber and natural woods  
Celebration of functional artistry that epitomize the craftsman style  
Woodwork that showcases the natural beauty of the wood grain  
Each element exudes an aura of strength and delicacy

### CAMERAS

Aerial  
Front Yard  
Mudroom  
Kitchen  
Living Room  
Bedroom  
Bathroom  
Closet  
Seating Nook  
Light Fixture  
Material Moodboard

## PROMPTS

### AERIAL

Cinematic drone shot photo, beautiful craftsman style bungalow house, deep eaves and black roofs with dark wood beams redwood shingle walls and glowing lights from windows, enchanted and magical lush bayou swamp environment louisiana bayou inspired swamp with southern live oak trees and spanish moss create an enchanting swamp oasis, captures the essence of nature, evokes the essence of magic, cinematic golden light, architectural digest, high resolution intricate details --style raw --stylize 1000 --quality 3

### FRONT YARD

Cinematic eye level front yard photo, beautiful craftsman style bungalow house, deep eaves and black roofs with dark wood beams redwood shingle walls and glowing lights from windows, enchanted and magical lush bayou swamp environment louisiana bayou inspired swamp with southern live oak trees and spanish moss create an enchanting swamp oasis, captures the essence of nature, evokes the essence of magic, cinematic golden light, architectural digest, high resolution intricate details --style raw --stylize 1000 --quality 3

### KITCHEN

Cinematic kitchen photo, two story kitchen of a craftsman style bungalow, variety of rich wood walls floors and ceilings with large wooden beams, craftsman style doors and windows woodwork and furniture, indoor plants, background views of moody bayou swamp southern live oak and spanish moss, captures the essence of nature, enchanted and magical, moody cinematic golden lighting, architectural digest restoration hardware interior design, high resolution extreme detail 8k --style raw --stylize 1000 --quality 3

### BATHROOM

Cinematic bathroom photo, beautiful craftsman style bathroom, rich wood walls and floors and wood ceilings with wooden beams, handwoven rugs, lush indoor plants, craftsman style windows and doors and craftsman style cabinets and furniture with brass detailing, beautiful bayou swamp views with southern live oak and hanging spanish moss, captures the essence of nature, cinematic overcast lighting, architectural digest interior design, high resolution intricate details --style raw --stylize 1000 --quality 3

### MATERIALS

Cinematic close up product photography, material mood board, craftsman inspired wood material board mood board with dark mahogany wood and moss objects on a table, beautiful background environment of craftsman inspired interior, captures the essence of nature, cinematic golden light, restoration hardware interior design high resolution intricate details --style raw --stylize 1000 --quality 3

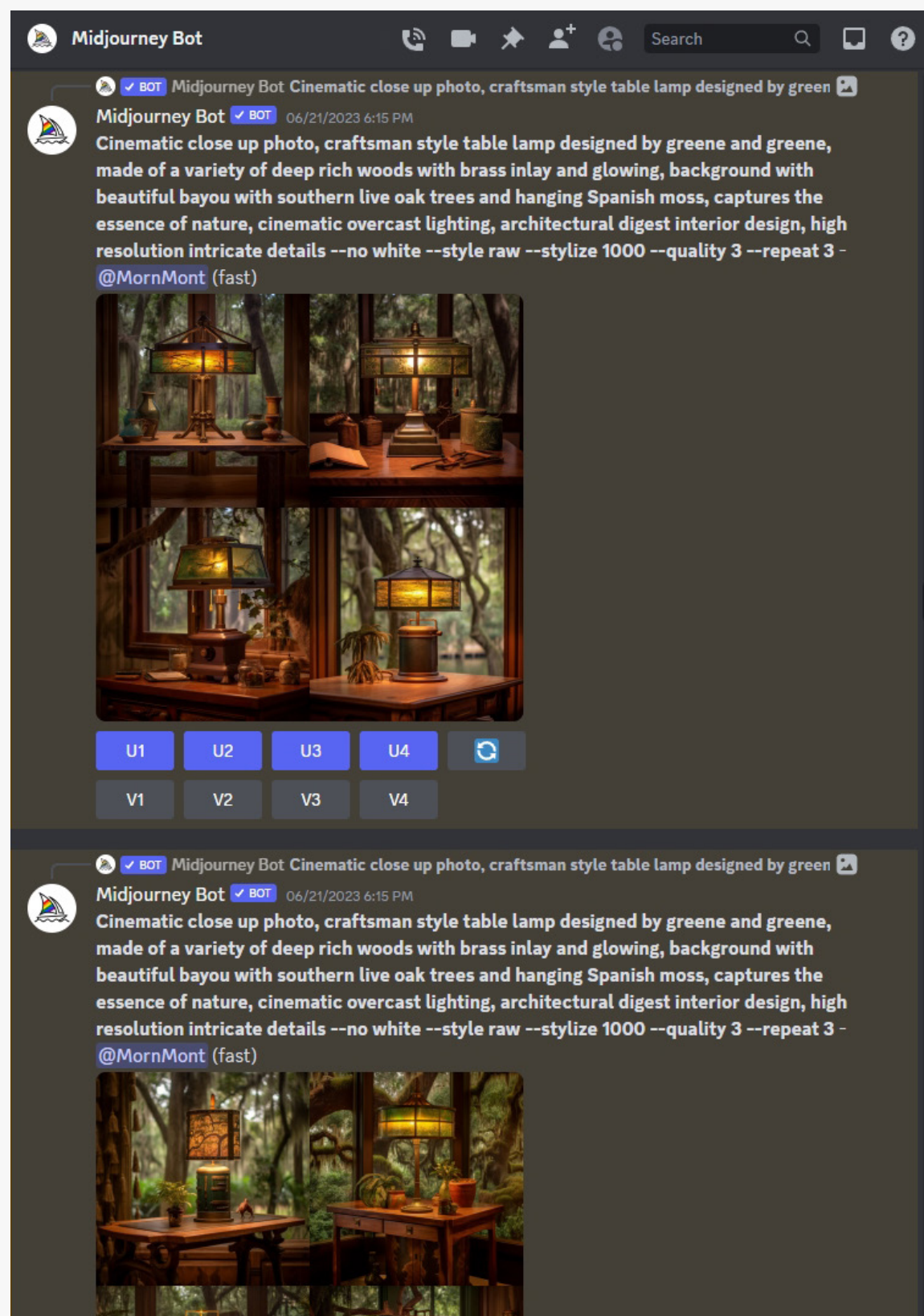
# 1. Organize

## Prepare Research

Gather concepts and descriptions of your project and organize them into actionable categories like Landscape, Architecture, Interiors, Objects, Lighting, Details, etc.

## Create Prompts

Then take those descriptions and combine them with specific camera angles you wish to generate.



## 2. Prompt

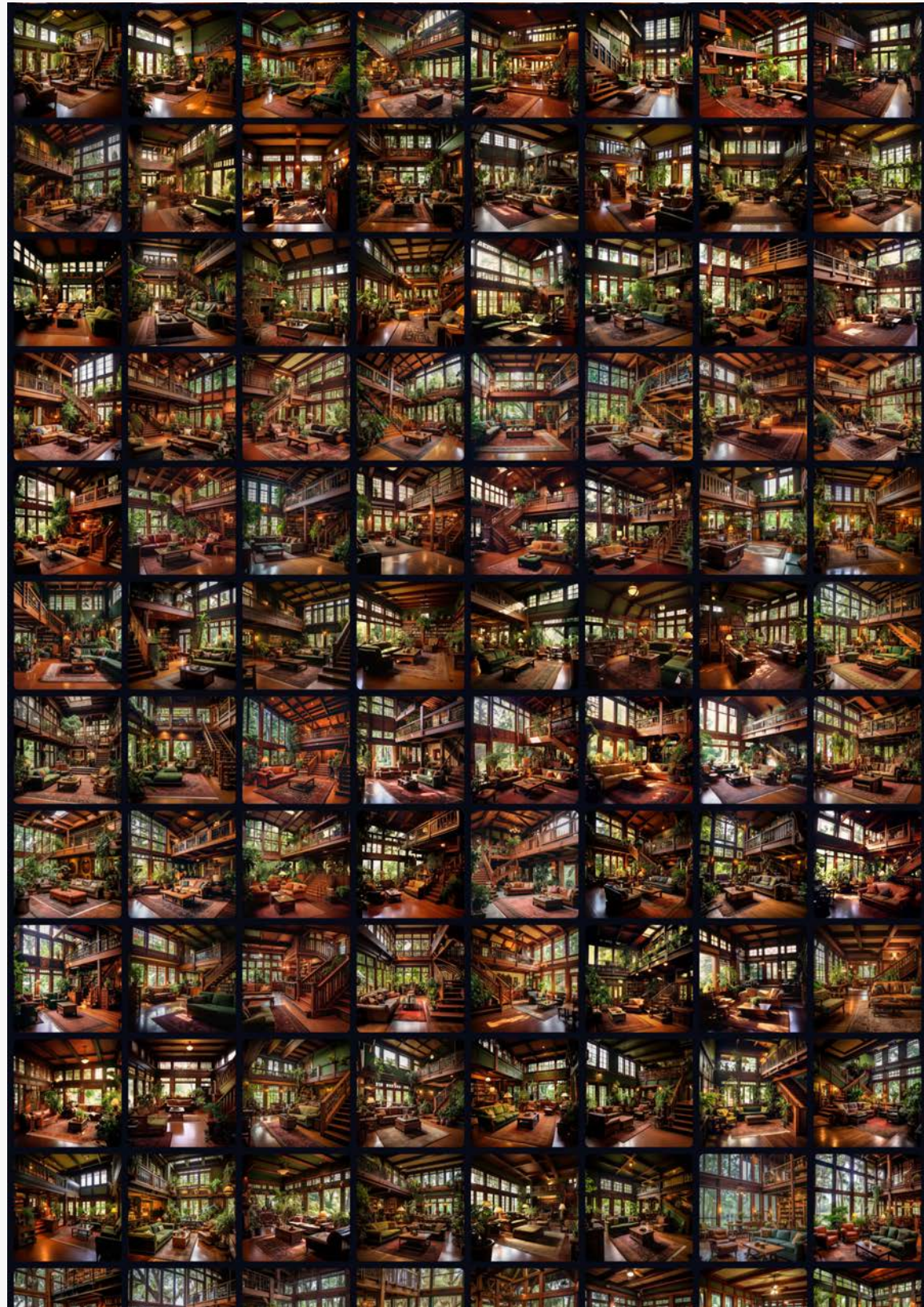
### Generate

Open Midjourney. Copy and paste your created prompts into the Midjourney dialogue.

### Iterate

Use the U (Upscale) and V (Variation) buttons at the bottom of each output to enlarge and iterate images until the desired output is achieved.





# 3. Curate

## **Download and Sort**

Once you have finished generating images, go to your Midjourney Archive and download the images to begin sorting and selecting the most desirable designs.

## **Post-Process**

Post-process your final selection for minor geometry defects, lighting levels and color grading.





# Sample Project

## Mountain Hotel

This mountain inspired hotel combines soaring ceilings with exclusive alpine experiences. Brick and steel exteriors pair with interiors of rough cut stone and natural woods to make this patch of wilderness feel like home again.



# Exteriors

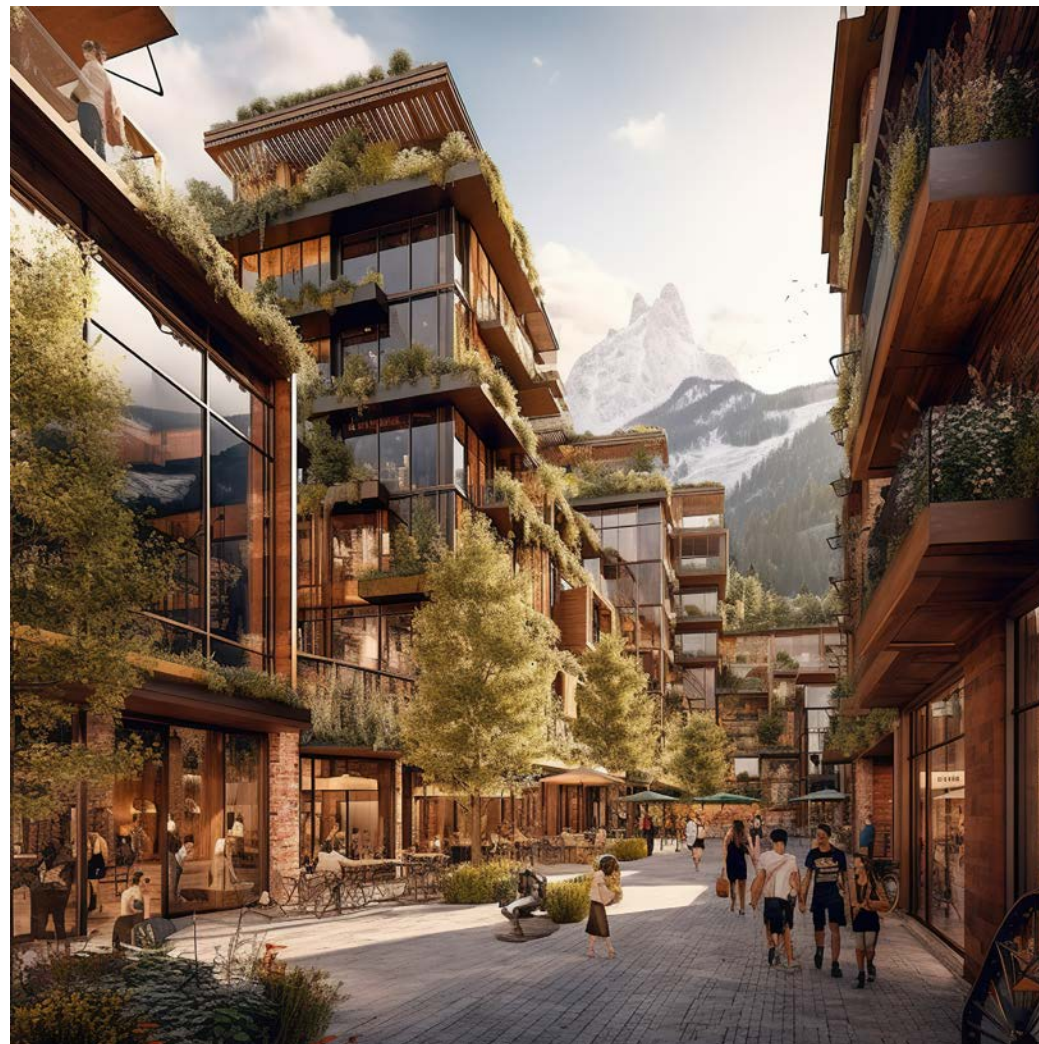
## Aerial

Cinematic aerial photo, four story architecture building, brick wood and corten steel and windows, zen inspired mountain village, city environment with buildings trees streets and clouds, captures the essence of nature, cinematic golden light, architectural digest, high resolution intricate details -style raw -stylize 1000 -quality 3



## Exterior

Cinematic front yard photo, mixed use development, concrete and glass, zen inspired mountain village, city environment with buildings trees streets and clouds, captures the essence of nature, cinematic golden light, architectural digest, high resolution intricate details -style raw -stylize 1000 -quality 3



## Streetview

Cinematic street view photo, mixed use development, brick and glass, zen inspired mountain village, city environment with buildings trees streets and clouds, captures the essence of nature, cinematic golden light, architectural digest, high resolution intricate details -style raw -stylize 1000 -quality 3





# Interiors

## Living Room

Cinematic living room photo, two story interior living room, stone wood steel and glass, indoor plants, beautiful mountain views with trees and clouds, zen inspired mountain village, captures the essence of nature, cinematic golden light, architectural digest interior design, high resolution intricate details -style raw -stylize 1000 -quality 3



## Kitchen

Cinematic kitchen photo, interior kitchen, stone wood steel and glass, indoor plants, beautiful mountain views with trees and clouds, zen inspired mountain village, captures the essence of nature, cinematic golden light, architectural digest interior design, high resolution intricate details -style raw -stylize 1000 -quality 3



## Closet

Cinematic closet photo, interior closet, stone wood steel and glass, indoor plants, beautiful mountain views with trees and clouds, zen inspired mountain village, captures the essence of nature, cinematic golden light, architectural digest interior design, high resolution intricate details -style raw -stylize 1000 -quality 3





# Objects

## Lamp

Cinematic close up product photography, mountain inspired floor lamp, concrete and steel glowing, background with beautiful mountain views with trees and clouds, zen inspired mountain village, captures the essence of nature, cinematic golden light, architectural digest interior design, high resolution intricate details -style raw -stylize 1000 -quality 3



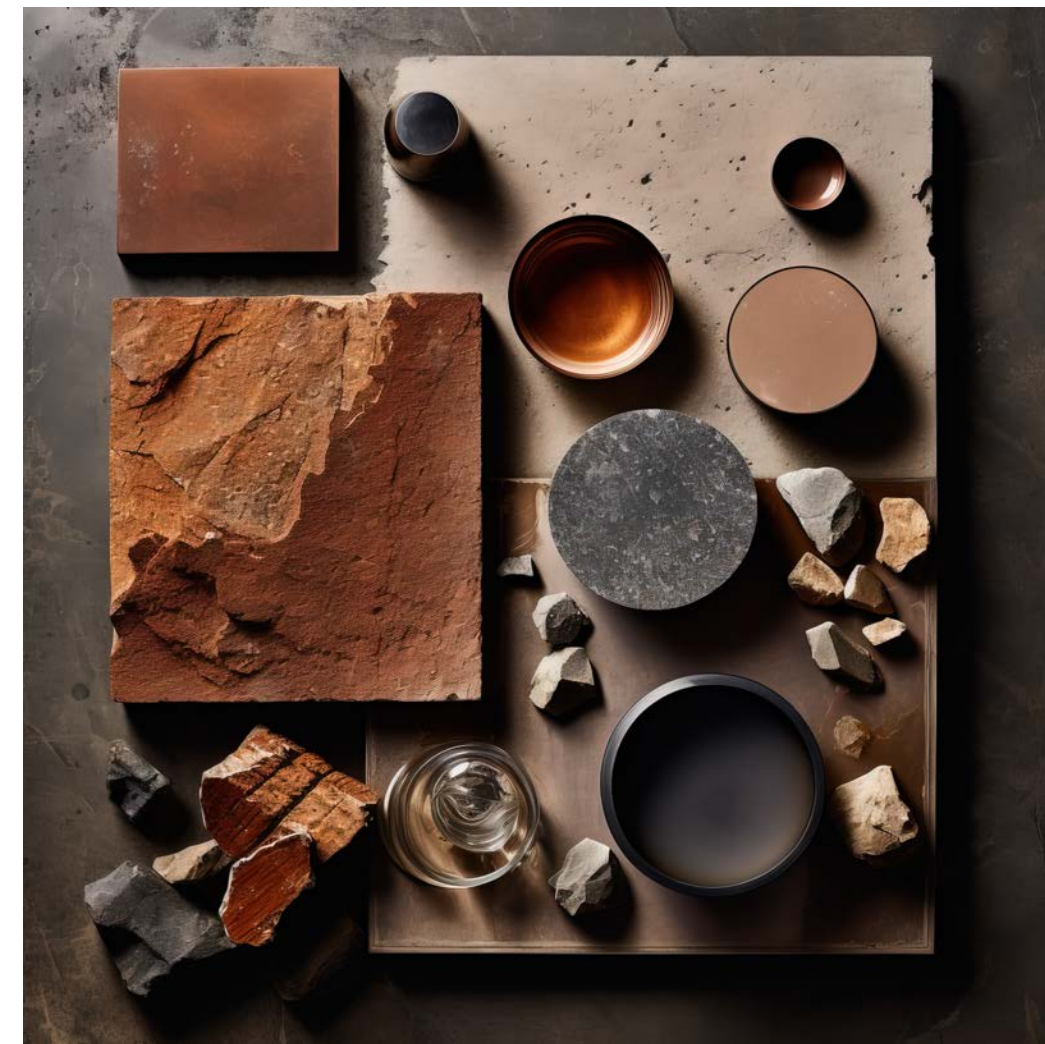
## Bonsai

Cinematic product photography, mountain inspired coffee table, tiny little bonsai on table, stone and wood, zen inspired, background with aspen colorado landscape mountains and clouds, captures the essence of nature, cinematic golden light studio lighting rim lighting, restoration hardware interior design high resolution intricate details -style raw -stylize 1000 -quality 3



## Materials

Cinematic close up product photography, material mood board, concrete wood and black steel objects on a table, environment mountain studio with concrete backdrop, captures the essence of nature, cinematic studio lighting rim light, restoration hardware interior design high resolution intricate details -style raw -stylize 1000 -quality 3





# Convert drawings to renderings with Stable Diffusion

Architecture just evolved



## PROJECT

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Meandering streams with enchanting nooks  
Southern live oak trees with hanging spanish moss  
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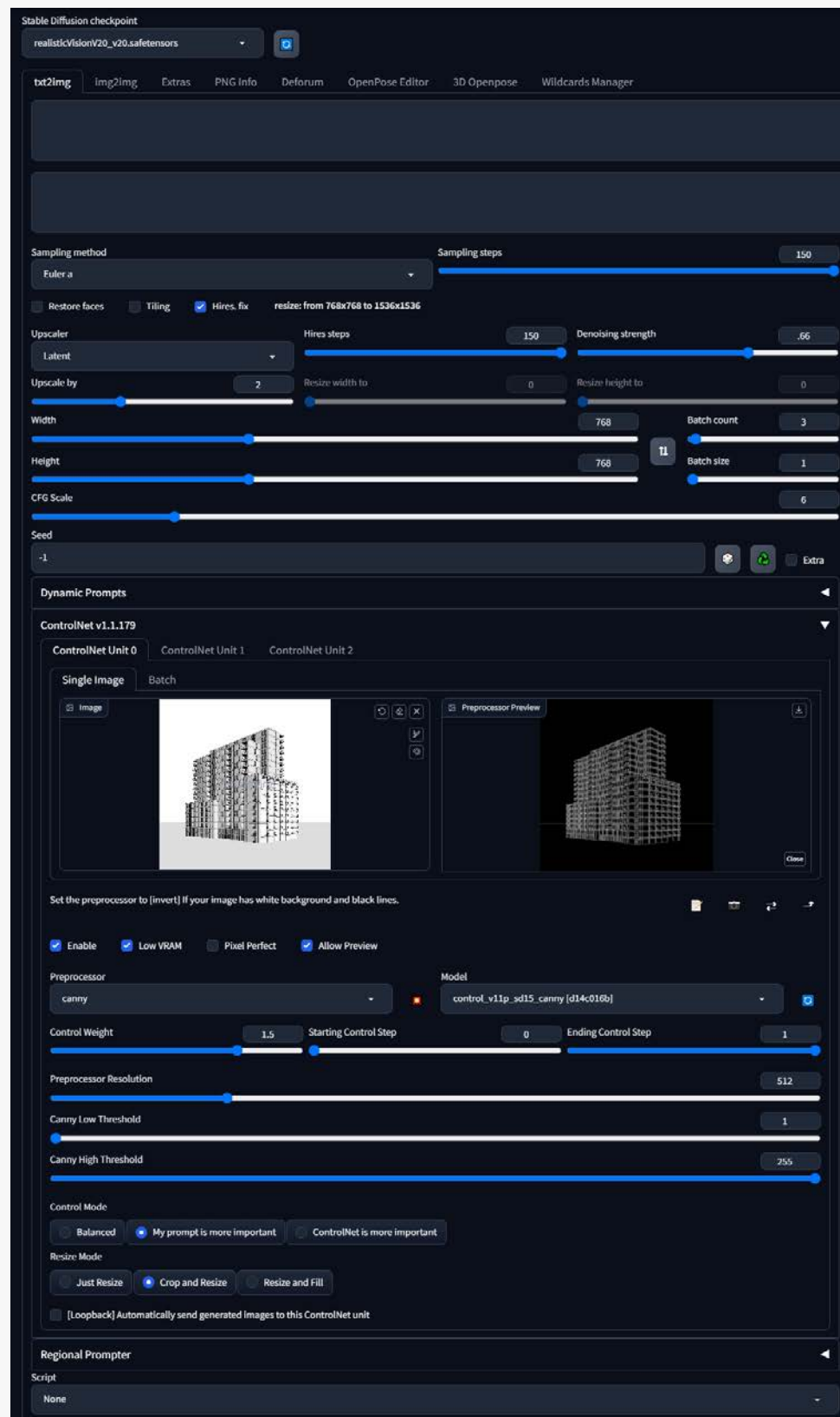
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## Create Prompts

Then take those descriptions and combine them with specific camera angles you wish to generate.



## 2. Prompt

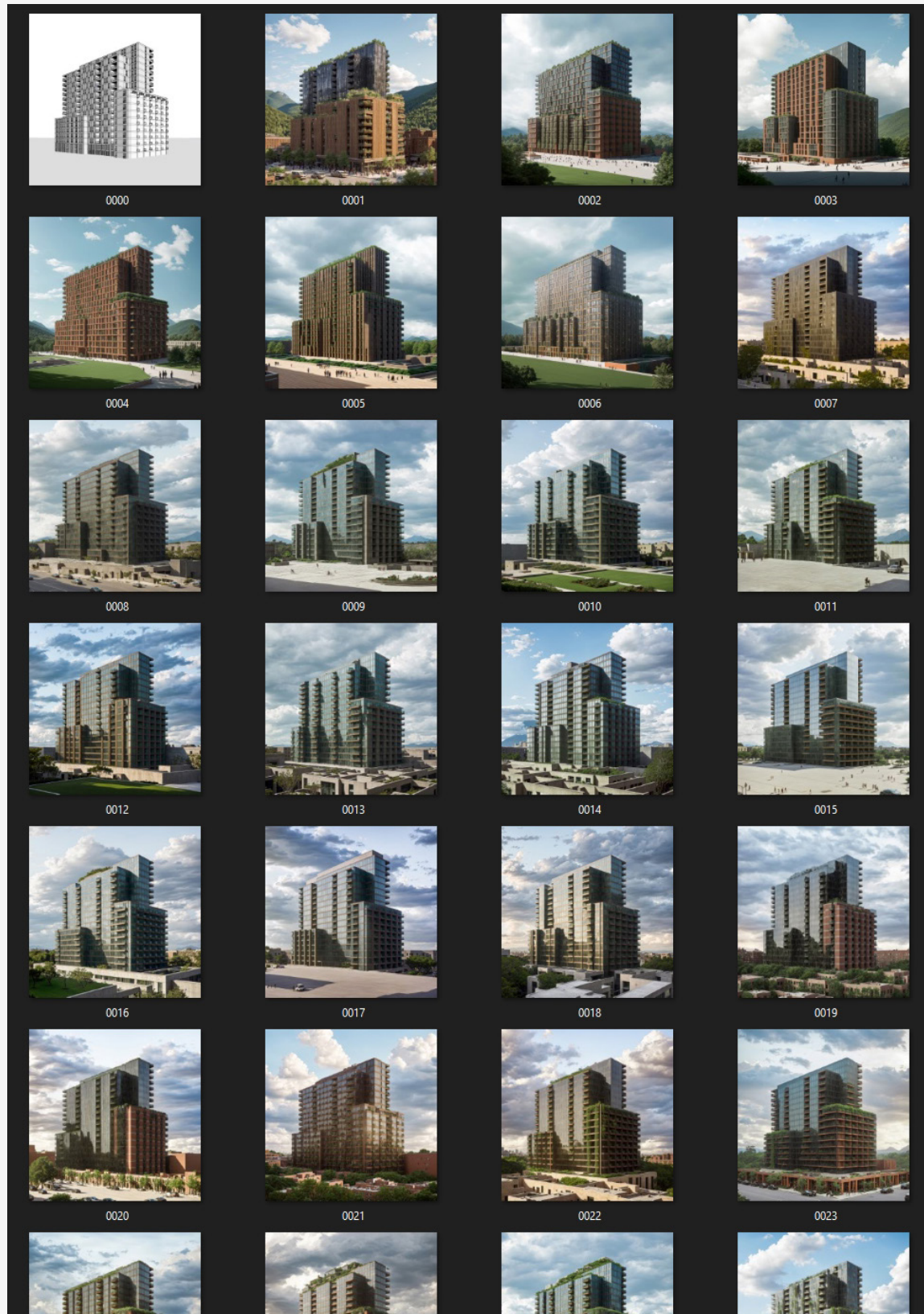
### Generate

Open Stable Diffusion with ControlNet. Copy and paste these settings along with your created prompts into Stable Diffusion.

### Iterate

Continue to generate design iterations until the desired output is achieved.





# 3. Curate

## Download and Sort

Once you have finished generating images, go to your Stable Diffusion Logs and download the images to begin sorting and selecting the most desirable designs.

## Post-Process

Post-process your final selection for minor geometry defects, lighting levels and color grading.



# The AI Cheat Sheet

Everything in one place

## ChatGPT

**Prompt Structure**  
Questions and follow-up questions

1. What problems must architects solve?  
History: new technology
2. What is the best new technology for architects to adopt?  
AI technology
3. What are the benefits for architects who adopt AI technology?  
Automated construction documents and code compliance
4. How can architects use AI to automate code compliance?  
In general terms, what are some best practices to consider  
Data collection and analysis  
Rule-based code checking  
Integration with BIM  
Code visualization in virtual reality  
Up-to-date code compliance  
Enhanced accuracy and efficiency

**Function**  
Find research on [Topic]  
Generate ideas on [Topic]  
List the key ideas about [Topic]  
Critique the design [Design]  
What should I consider when designing a [Design]  
List the selling points of [Design]  
Create a pitch deck for [Design]  
What is the best software for [Task]  
What should I do when faced  
Proofread and edit the document [Insert Document]  
Summarize the document [Insert Document]

## Midjourney

**Commands**  
/blend: Generate images  
/blend: Create variations on an image  
/blend: Blend two images together  
/describe: Generate text prompt from an image  
/settings: View and adjust your settings  
/help: Bring up help

**Prompt Structure**

1. Camera
2. Medium
3. Subject
4. Materials
5. Environment
6. Lighting
7. Influence
8. Details
9. Parameters

**Images** (Create) **Command** **view-view** (Medium) **photo**, **Subject** for story building, **Materials** brick and glass, **Environment** public square in a metropolitan with buildings seen across and **Lighting** cinematic golden light, **Influenced** architectural style, **Details** high resolution intricate details **Parameters** --style raw --v2.1 1000 --quality 3

**Cameras**  
Aerial, Drone Shot, Bird's Eye View, Street View, Medium Shot, Close-Up Shot

**Mediums**  
Photo, Sketch, Charcoal Sketch, Watercolor Sketch, Mixed Media, Architectural Drawing, Construction Drawing, Utopia, Travel Poster, Naturalist Illustration

## Stable Diffusion

**Settings**  
Click First settings to convert a computer model generated or hand drawn sketch into a photorealistic rendering using Stable Diffusion with ControlNet

**Installation**  
Stable Diffusion Checkpoint: [realisticVisionV2.1\\_0.0](#) sdwebui  
LoRA: [Pony Diffusion](#) Some on Midjourney prompt  
Sampling Method: Euler a  
Sampling Steps: 150  
Hires Fix: On  
Upscaler: none  
Highres Steps: 150  
Denoising strength: 0.66  
Upscale by: 2  
Width: 768  
Height: 768  
CFG Scale: 8  
Batch Count: 4  
Batch Size: 1

**ControlNet**  
ControlNet: 1.1.179  
Upload image via ControlNet  
Enable: On  
Use Weight: On  
Allow Preprocessor: On  
Preprocessor: Crop  
Model: Control\_v11p\_sd15\_canny [1140148]

# ChatGPT

## Prompt Structure

Questions and followup questions.

### 1. What is a problem that an architect needs to solve?

Adopting new technology

### 2. What is the best new technology for architects to adopt?

AI technology

### 3. What are the benefits for architects who adopt AI technology?

Automated construction documents and code compliance

### 4. How can architects use AI to automate code compliance?

Architects can leverage AI to automate code compliance and regulations in several ways. Here are some best practices to consider:

- Data collection and analysis

- Rule based code checking

- Integration with BIM

- Code visualization in virtual reality

- Up to date code compliance

- Enhanced accuracy and efficiency

## Function

Find research on (Topic).

Generate ideas on (Topic).

List the key ideas about (Topic).

Critique this design: (Design).

What should I consider when designing a (Design).

List the selling points of (Design).

Create a pitch deck for (Design).

What is the best software for (Task).

What should I do when (Issue).

Proofread and edit this document: (Insert Document).

Summarize this document: (Insert Document).

# Midjourney

## Commands

/Imagine: Generates images.  
/Remix: Creates variations on an image.  
/Blend: Blends two images together.  
/Describe: Creates text prompt from an image.  
/Settings: View and adjust user settings.  
/Help: Brings up help.

## Prompt Structure

/Imagine

1. Camera
2. Medium
3. Subject
4. Materials
5. Environment
6. Lighting
7. Influence
8. Details
9. Parameters

/Imagine Cinematic **(Camera)** street view **(Medium)** photo, **(Subject)** four story building, **(Materials)** brick and glass, **(Environment)** pacific northwest city environment with buildings trees streets and clouds, **(Lighting)** cinematic golden light, **(Influence)** architectural digest, **(Details)** high resolution intricate details **(Parameters)** --style raw --stylize 1000 --quality 3

## Cameras

Aerial, Drone Shot, Birds Eye View, Street View, Medium Shot, Close-Up Shot

## Mediums

Photo, Sketch, Charcoal Sketch, Watercolor Sketch, Urban Sketch, Architectural Drawing, Construction Drawing, Ukiyo-E, Travel Poster, Naturalist Illustration

## Subjects

Four Story Building, Two Story House, Building Facade, Front Yard, Tall Lobby, Entry, Kitchen, Living Room, Bedroom, Bathroom, Closet, Walk-In Closet, Hallway, Chair, Table, Light Fixture, Faucet, Door Handle

## Materials

Stone, Brick, Concrete, Wood, Steel, Metal, Glass, Plaster, Paint, Plastic, Paper, Grass, Gravel, Snow

## Environment

City with buildings streets and cars, Mountains with trees and clouds, Forest with tropical trees and lush plants, Desert with cactus dry bushes and sand, Hills with snow and pine trees

## Lighting

Moody dawn lighting, Morning sunlight, Overcast lighting, Sunset lighting, Golden hour lighting, Night lighting, Studio lighting

## Influences

Architectural digest, Architectural record, Dwell, Interior design, Restoration hardware

## Details

High resolution, Intricate details, Photorealistic, 8k, UHD

## Parameters

--Style raw: Reduces the influence of the default Midjourney style.  
--Stylize #: Adjusts how strongly Midjourney training is applied. (#1-1000)  
--Quality #: Adjusts the quality output. (#0-5)  
--IW #: Sets image weight relative to prompt weight. (#0-2)  
--Repeat #: Creates multiple iterations of a prompt. (#2-40)  
--Aspect: Changes the aspect ratio of an image. (1:1, 2:3, 16:9...)  
--Tile: Creates images that seamlessly tile.  
--No: Negative prompt. ("No: Cars" removes cars from an image.)

# Stable Diffusion

## Settings

Copy these settings to convert a computer model screenshot or hand drawn sketch into a photorealistic rendering using Stable Diffusion with ControlNet

### Rundiffusion

Stable Diffusion Checkpoint: realisticVisionV20\_v20.safetensors

Txt2img Prompt: Same as Midjourney prompt

Sampling Method: Euler a

Sampling Steps: 150

Hires Fix: On

Upscaler: Latent

Highres Steps: 150

Denoising Strength: 0.66

Upscale By: 2

Width: 768

Height: 768

CFG Scale: 6

Batch Count: 4

Batch Size: 1

### ControlNet

ControlNetv1.1.179

Upload image into ControlNet

Enable: On

Low VRAM: On

Allow Preview: On

Preprocessor: Canny

Model: Control\_v11p\_sd15\_canny [d14c016b]

Control Weight: 1.5

Starting Control Step: 0

Ending Control Ste: 1

Preprocessor Resolution: 512

Canny Low Threshold: 1

Canny High Threshold: 255

Control Mode: My prompt is more important

Resize Mode: Crop and Resize

## Notes

### Sampling Methods

For your first time in Stable Diffusion, use the Euler A sampler.

CFG Scale 2-6: Creative but possibly too distorted and does not follow prompt. Can be useful for shorter prompts.

CFG Scale 7-10: Recommended for most prompts. Good balance between creativity and guided generation.

### Preprocessors

Control\_v11p\_sd15\_mlsd

MLSD: Creates straight lines. Useful for architecture with straight lines but not great with organic or curved objects.

### Upscaling

First Choice: LDSR

Second Choice: ESRGAN 4x

### Prompts

"BREAK" is used similarl to commas in Midjourney prompting in order to break up data into separate weights in your prompt.

