

Available Roles

- CONCEPT ARTIST
- 3D ARTIST
- CHARACTER ARTIST
- ANIMATOR
- TECHNICAL ARTIST
- UI/UX ARTIST
- VFX ARTIST



CONCEPT ARTIST



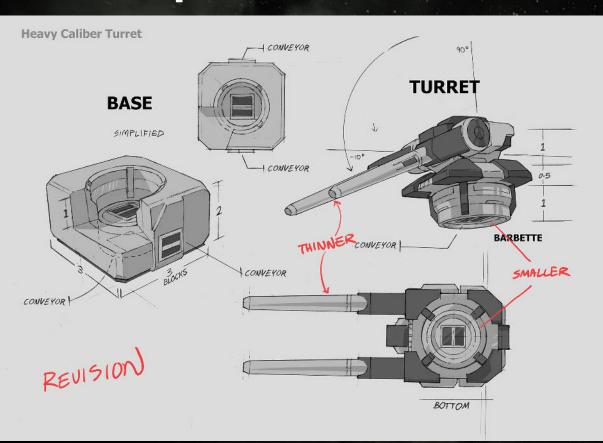


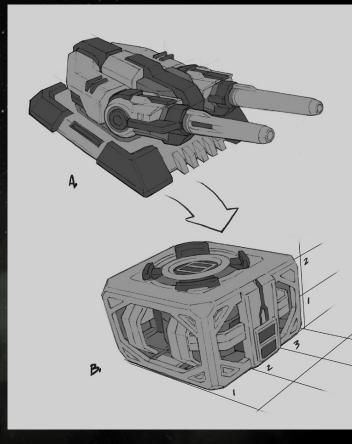


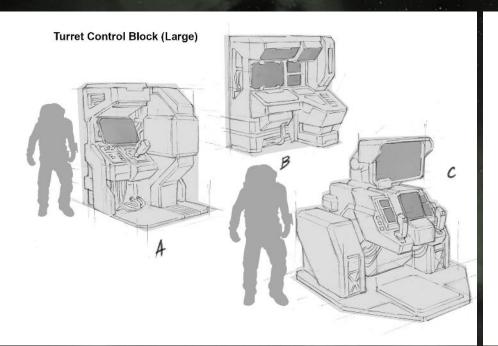


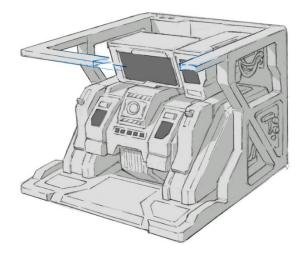






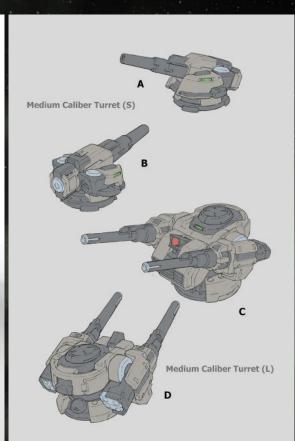


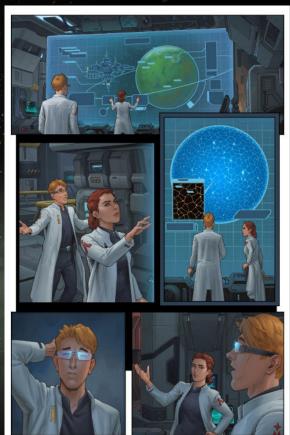










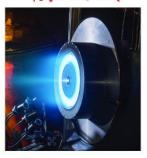


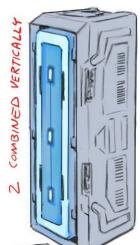


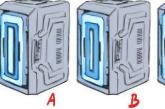


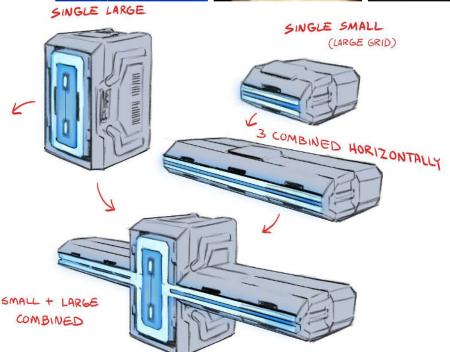


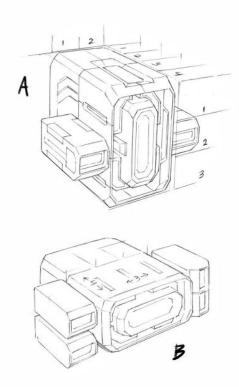


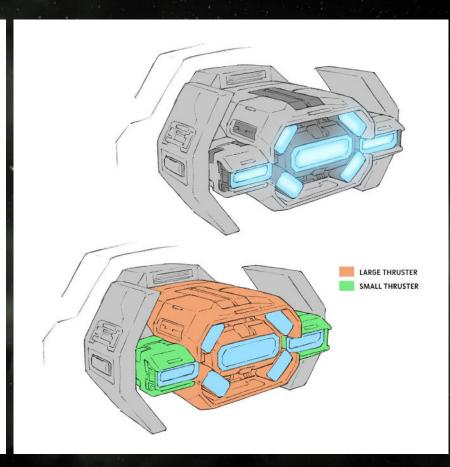


















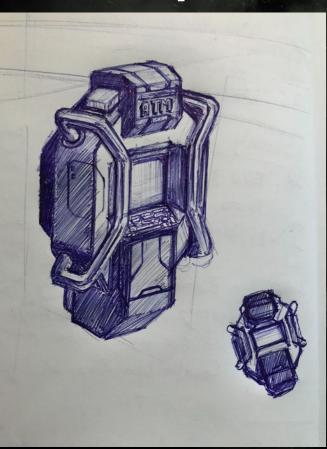


Doing quick paint-overs on top of the draft 3D primitives screen-captured in 3d viewport is very often one of the most effective ways to come up with lots of cool visual ideas





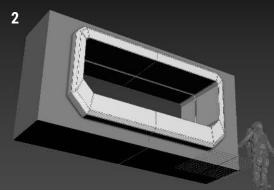


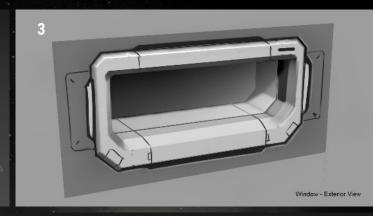




Sketching Window Block from start to finish:





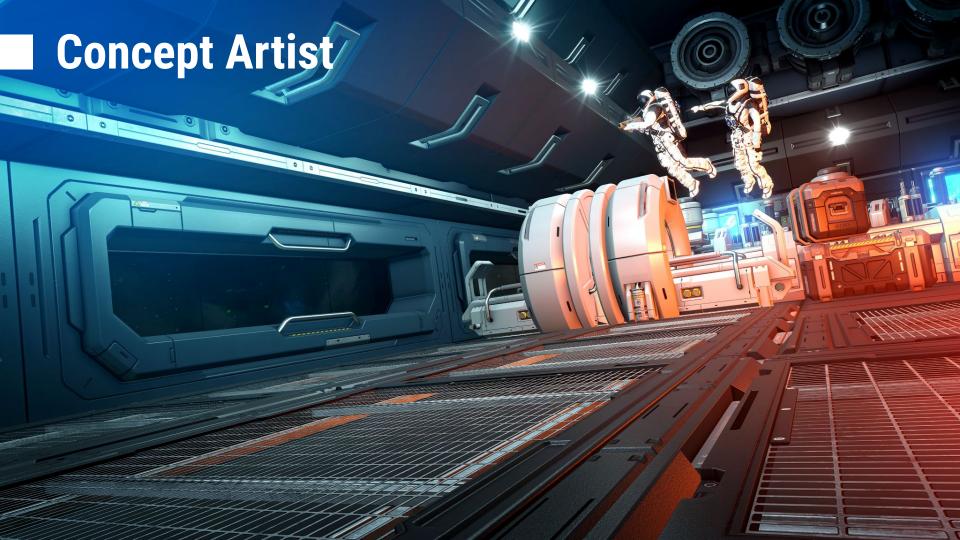








Actual model rendered in Marmoset Toolbag:



Soft and Tools you will need the most as a concept artist:



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Artwork by Danner Orozco For more details and legal notices, go to the About Photoshop screen.

Initializing shared components...

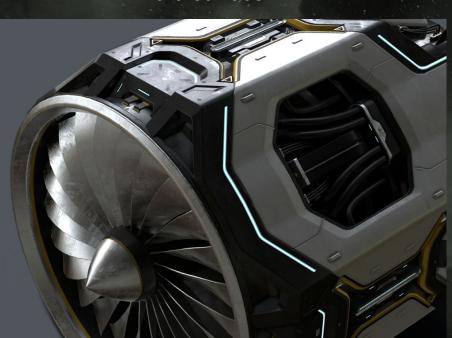
Russell Williams, Thomas Knoll, John Knoll, Mark Hamburg, Jacke Lincoln-Ovyang, Allan Erickon, Sarah Knog, Jenry-Harris, Mile Shaw, Thomas Buark, Yulie Takahashi, David Dosha, John Bestenon, Adam Jengim, Yulio Kajata, Foster Balakirinhan, Maria Yap, Dam, Clairi, Steve Guilharete, David Harkell, Eir Fichi, Judy Lee, Kevim Hoppe, Barkin Aygun, Brittamy Hendrickson, Bob Gardner, Virhal Wadhwa, Raman Kumar Gupt, Paul Kletzki, Jamed Wyles, Steven Hoppe, Barkin Aygun, Brittamy Hendrickson, Bob Gardner, Virhal Wadhwa, Raman Kumar Gupt, Paul Kletzki, Jamed Wyles, Steven Hoppe, Barkin Angund, Hannah Yicoller, Vicky Springer, Maria Chaudhran, Amerjodsip, Julio Mehas, Paliki Gindal, Carry McToy, Ramanarayanan Krishnalyer, Matthew Neidam, Quynn Megan Le, Guotong Feng, Zhengyun Zhang, Aanchol Jain





3D ARTIST

Hard Surface



Organic





Emotion we should avoid invoking in a viewer



Emotion we should strive for invoking in a viewer





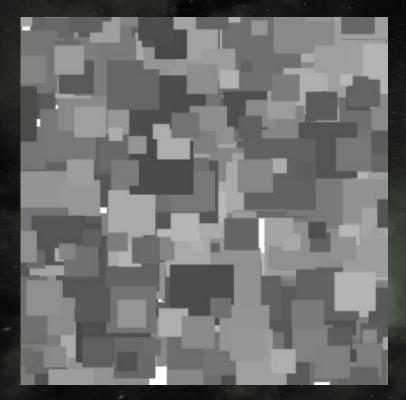


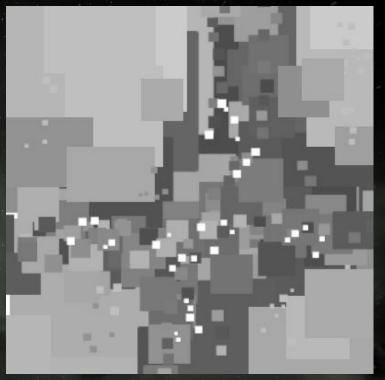
70/30 rule: Clean (Eye Rest) vs. Busy areas



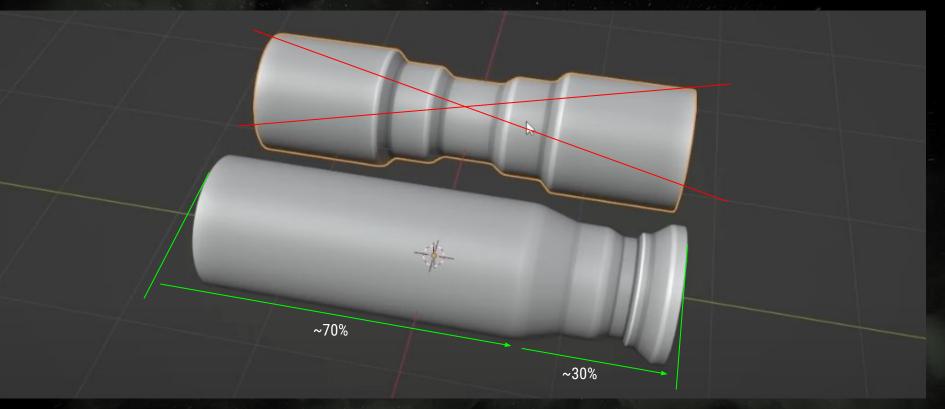


70/30 rule in action : Loose (Washed out) vs. highly detailed areas, Dark vs. Bright, Warm vs. Cold





70/30 rule: Clean (Eye Rest) vs. Busy areas



70/30 rule: Clean (Eye Rest) vs. Busy areas





70/30 rule in action: Destroyed vs. Intact, No detail vs. High detail, Bright vs. Dark





We follow these (and lots of other) rules to almost everything we do in Space Engineers



Ion Thruster block from Space Engineers: "Sparks of the Future" DLC











Hydrogen Thruster block from Space Engineers: "Heavy Industry" DLC

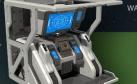




TURRET

WARFARE II BROADSIDE PACK







AUTOCANNON





WARFARE REACTOR



WARFARE ION THRUSTER





BATTERY



SEARCHLIGHT





WINDOWS

SHARK HELMET



WARFARE ROCKET LAUNCHER







OFFSET PASSENGER SEAT



AVAILABLE NOW ON



SLIDING





WARFARE **GATLING GUN**







AUTOMATIC WEATHER

















AVAILABLE NOW ON





BARRED WINDOWS





3D Artist - ESSENTIAL SOFTWARE

MODELING

- Autodesk 3D Studio Max
- Autodesk Maya (alternative)
- Blender (alternative)
- Zbrush

GAME ENGINES

- Unreal Engine
- Unity

TEXTURING

- Substance Painter
- Substance Designer
- Adobe Photoshop

DRAWING

- Adobe Photoshop
- Adobe Illustrator

3D Artist - KNOWLEDGE

Physically Based Rendering

Is one of the most important concepts in gamedev you must learn and be fluent in

3D Artist - KNOWLEDGE



ALBEDO



ROUGHNESS



GLOSSINESS



METALNESS



NORMALS



OCCLUSION





HEIGHT

CHARACTER ARTIST



Character Creator + Headshot plugin

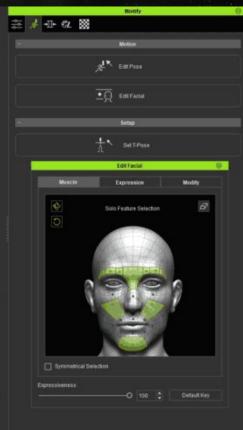






Character Creator + Headshot plugin







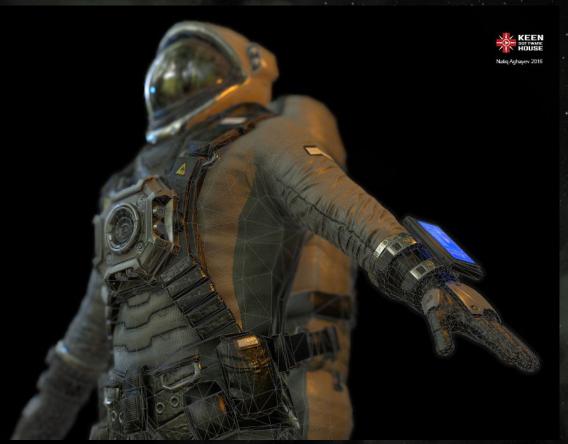
















Character Artist - SOFTWARE

MODELING

- Autodesk 3D Studio Max
- Autodesk Maya (alternative)
- Blender (alternative)
- Zbrush

GAME ENGINES

- Unreal Engine
- Unity (alternative)

TEXTURING

- Substance Painter
- Adobe Photoshop
- Adobe Illustrator

SPECIFICS

- Character Creator
- Marvelous Designer

ANIMATOR ARTIST





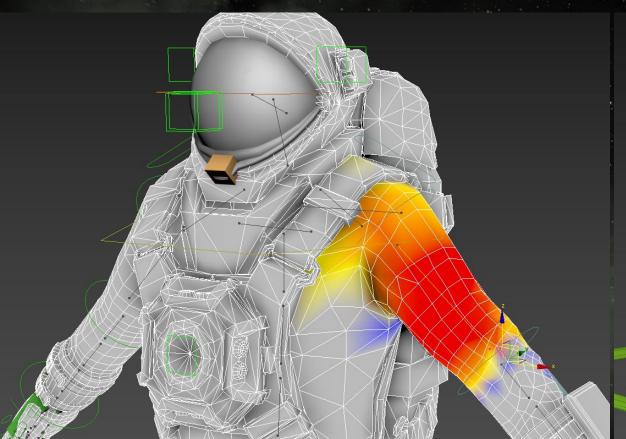
Rig of a Space Engineer Astronaut Character

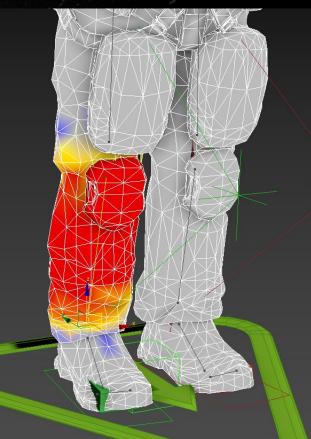




Rig of a Space Engineer Astronaut Character

Skinning process







The Rig is ready for animating!



A few Motion Capture tests



A few Motion Capture tests



A few Motion Capture tests



TECHNICAL ARTIST

Technical Artist

Choose your Superpower!



Max Script



Maya MEL



Python



Houdini VEX

Technical Artist



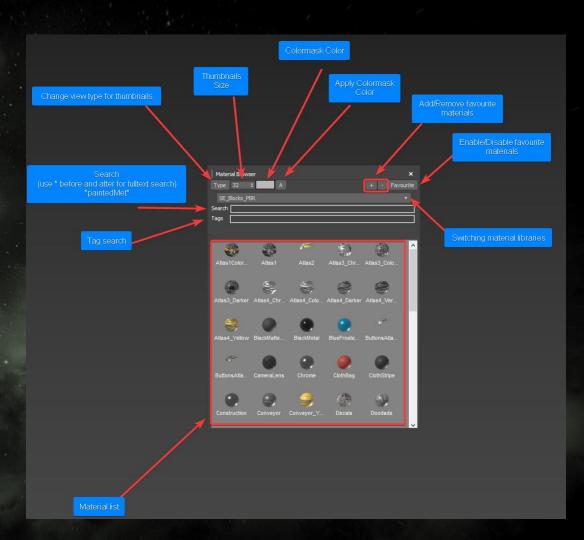
Simple example of a script:





Technical Artist





UI/UX ARTIST







Inventory UI Screen

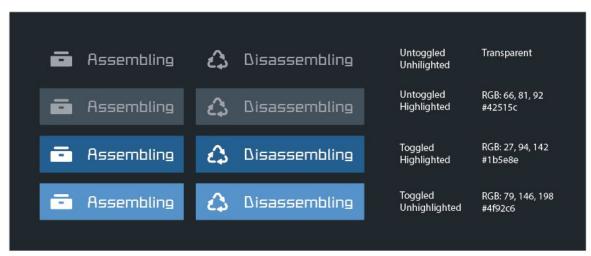


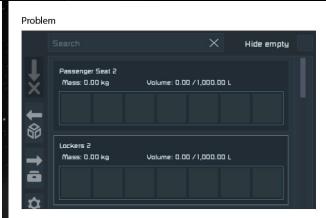
Solving arising UI/UX problems

Problem



Solution





Solution

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Valume: 0.00 / 1.000.00 L		





Main Gameplay UI Screen

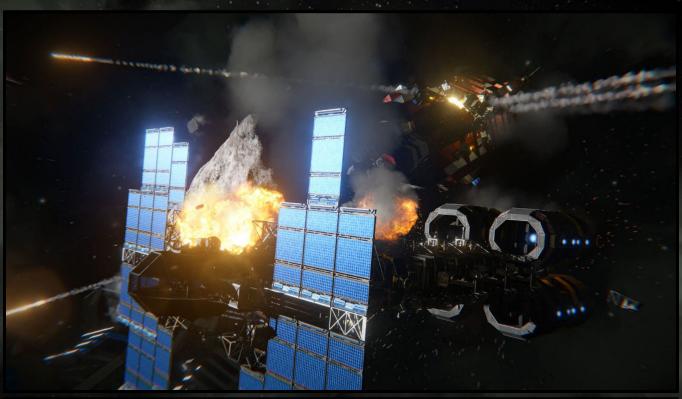
New Game Scenarios Workshop Custom Game Space Engineers is primarily a sandbox game, which features non-linear story gameplay that's defined by goals and objectives present in default scenarios, or those created by players for themselves or other players. Name Lost Colony Author Mikko Saarijärvi Offline Online mode Frostbite Max Players Rating Contact has been lost with a remote colony and it's your job to find out what Sparks of the Future happened. With up to four players, embark on an exciting journey through caves and mysterious underground bunkers while exploring the valley and its history via data pads left behind by the colonists. Start

	Adv	anced World Sett	lings		×
Characters in	iventory size	хЗ		I ~	
Blacks inven	tory size	Realistic		~	
Assembler e	fficiency	×3		~	
Refinery spe	ed	кЗ			
Welding spe	ed	×2			
Grinding spe	ed	x2		~	
Environment	hostility	Safe		~	
Asteroid amo	ount	Infinite: Normal de	ensity	~	
Sound mode		Arcade		 	
Limit world s	iize	Unlimited		\ v	
View distanc	e	15 km		~	
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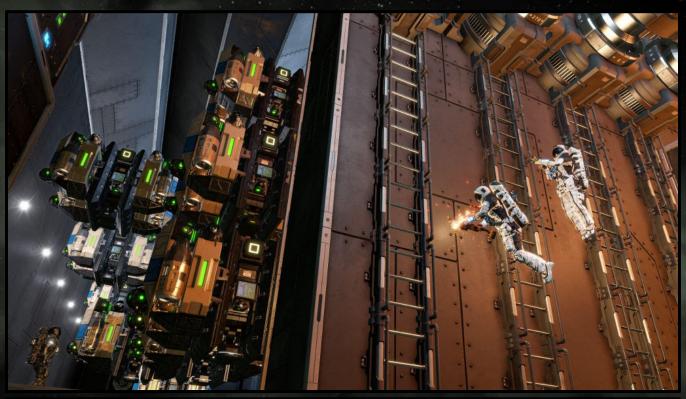




Particle Effects: Explosions, Muzzle Flashes, Smoke, Dust, Debris, Sparks etc.

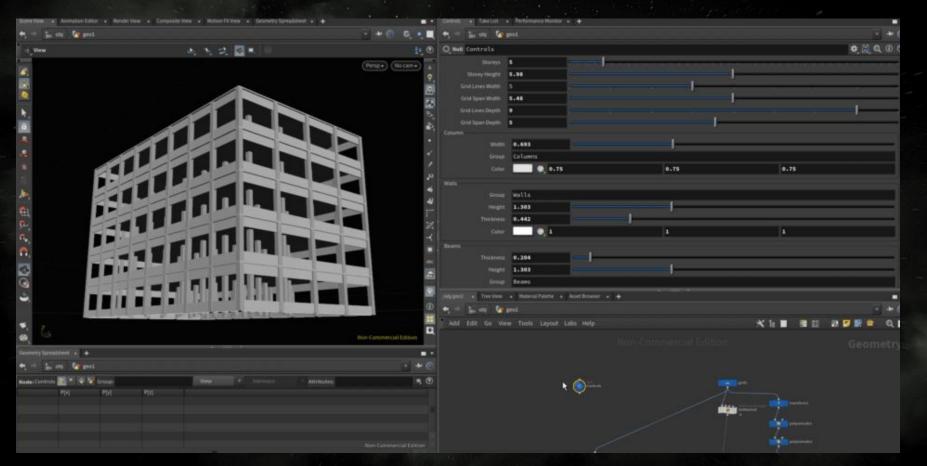


Particle Effects: Explosions, Muzzle Flashes, Smoke, Dust, Debris, Sparks etc.



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Setting up procedural pipelines allowing quick iterations and tweaking of assets on the fly

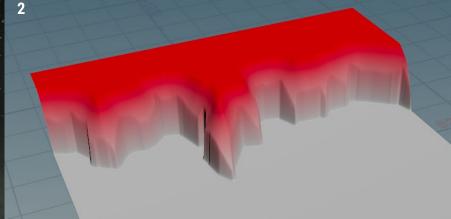


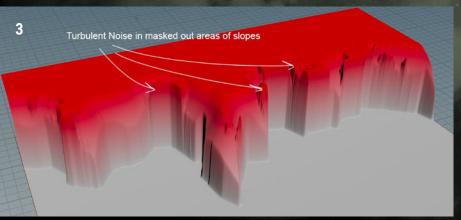
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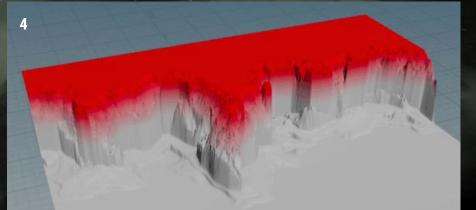


Creating Rocky cliffs and Mountains fully procedurally in Houdini

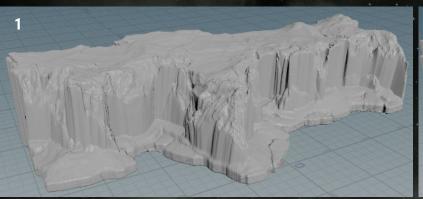


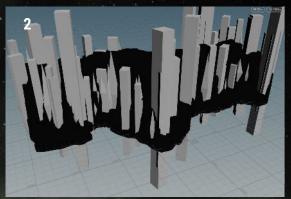


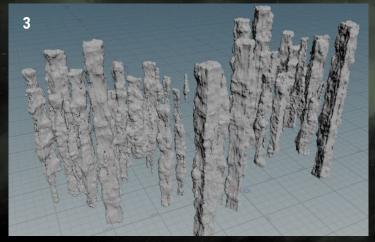


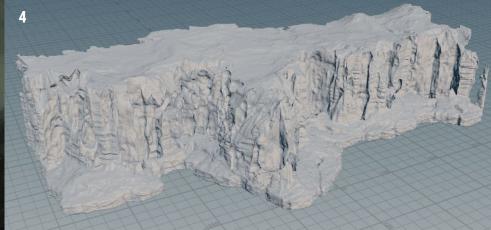


Creating Rocky cliffs and Mountains fully procedurally in Houdini



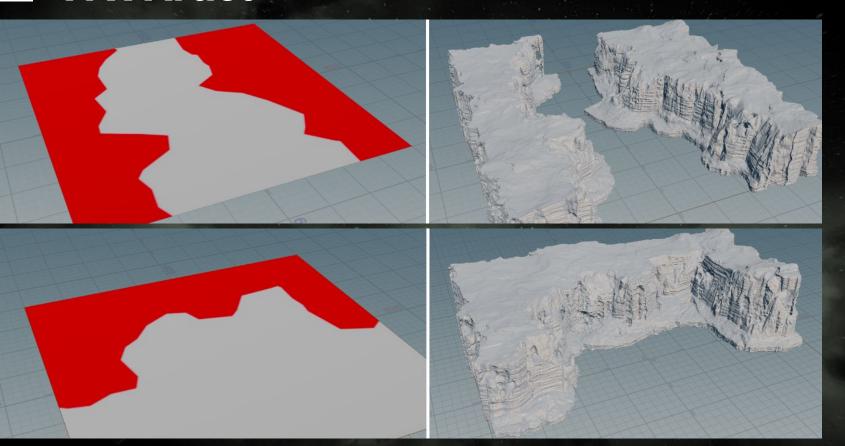




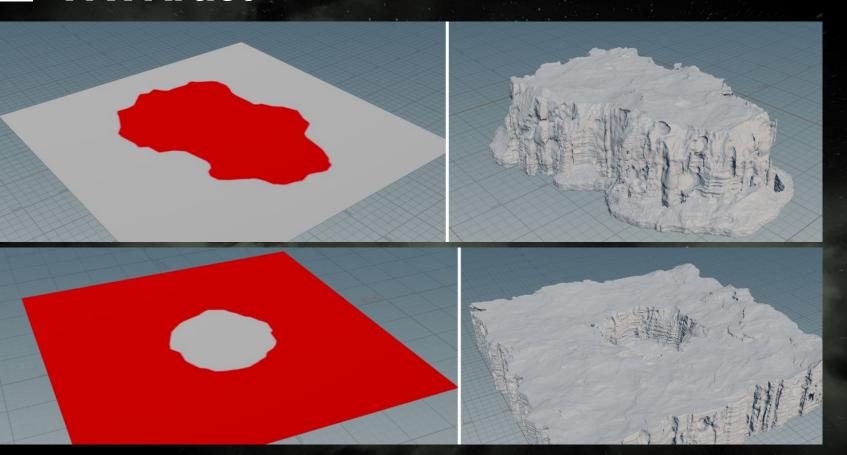




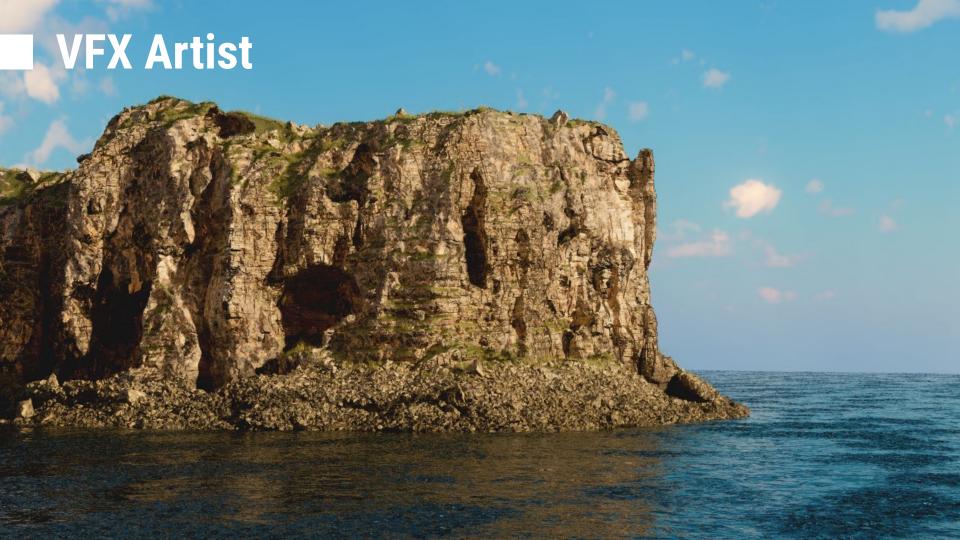
Once the full setup is done - generating hundreds of variations of such mountain formations is a matter of few clicks



Once the full setup is done - generating hundreds of variations of such mountain formations is a matter of few clicks















VFX Artist - SOFTWARE

MODELING

- Autodesk 3D Studio Max
- Autodesk Maya (alternative)
- Blender (alternative)
- Zbrush

GAME ENGINES

- Unreal Engine
- Unity

TEXTURING

- Substance Painter
- Substance Designer
- Adobe Photoshop

VFX SPECIFICS

- Houdini
- EmberGen (alternative)
- World Creator (alternative)

SCRIPTING

- VEX (Houdini)
- Python

