

General 3D modelling work

- 3D modeling, texturing, PBR and non-PBR materials
- Lighting
- Particle systems, environment effects
- Physics simulation
- Animation
- Rendering

3D modelling and visual effects

- visualizing and rendering various natural disasters
- distributed rendering locally on several machines
- physics simulation including fluids, smoke, collisions, and destruction

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Freelance Architectural visualizations

- Analyzing and interpreting plot schematics and regulations
- Floor Plans accurate to the millimeter
- Custom furniture design
- Interior design
- 3D modeling

Interactive Architectural Visualization

- Real-time interactive demo software using Unreal Engine 4
- Hybrid lighting, using both real-time reflections and switchable dynamic lights, with pre-baked lightmaps

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Realistic Architectural Visualization

- Realistic rendering
- Solar gain analysis
- Quick and dirty mockup from on-site photos and measurements

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