



Programming 3D Applications with HTML5 and WebGL: 3D Animation and Visualization for Web Pages

By Tony Parisi

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Create high-performance, visually stunning 3D applications for the Web, using HTML5 and related technologies such as CSS3 and WebGL—the emerging web graphics standard. With this book, you'll learn how to use the tools, frameworks, and libraries for building 3D models and animations, mind-blowing visual effects, and advanced user interaction in both desktop and mobile browsers.

In two parts—Foundations and Application Development Techniques—author Tony Parisi provides a thorough grounding in theory and practice for designing everything from a simple 3D product viewer to immersive games and interactive training systems. Ideal for developers with Javascript and HTML experience.

- Explore HTML5 APIs and related technologies for creating 3D web graphics, including WebGL, Canvas, and CSS
- Work with the popular JavaScript 3D rendering and animation libraries Three.js and Tween.js
- Delve into the 3D content creation pipeline, and the modeling and animation tools for creating killer 3D content
- Look into several game engines and frameworks for building 3D applications, including the author's Vizi framework
- Create 3D environments with multiple objects and complex interaction, using examples and supporting code
- Examine the issues involved in building WebGL-based 3D applications for mobile browsers

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Editorial Review

About the Author

Tony Parisi is an entrepreneur and career CTO/architect. He has developed international standards and protocols, created noteworthy software products, and started and sold technology companies. Tony's passion for innovating is exceeded only by his desire to bring coolness and fun to the broadest possible audience.

Tony is perhaps best known for his work as a pioneer of 3D standards for the web. He is the co-creator of VRML and X3D, ISO standards for networked 3D graphics. He also co-developed SWMP, a real-time messaging protocol for multi-user virtual worlds. Tony continues to build community around innovations in 3D as the co-chair of the WebGL Meetup and a founder of the Rest3D working group.

Tony is currently a partner in a stealth online gaming startup and has a consulting practice developing social games, virtual worlds and location-based services for San Francisco Bay Area clients.

Users Review

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