Mr. Sternklar is an entrepreneur, digital artist, videographer, animator, virtual set creator, director, producer, musician, composer, stereoscopic multimedia & virtual reality pioneer with nearly three decades of experience.

Mr. Sternklar owns companies involved in:

- Photography (http://www.clearstarphotography.com)
- Website community building, software development, R&D, web 2.0 technologies, data mining (http://www.clearstarinternational.com)
- Music publishing, ASCAP Publisher member
  (http://www.clearstarpublications.com)
- Animation, video & film production/post-production, virtual set technologies, special effects, digital art, stereoscopic multimedia, talent scout (http://www.view3d.tv)
- Web hosting with special client support (http://www.clearstarweb.com)
- Acts as an technical and artistic advisor to many other ventures

For over 28 years, Mr. Sternklar has impressed clients with the depth, breadth, creativity and quickness of response to their needs. This experience provides Daniel Sternklar the ability and background to choose the right tools for the job, the ability to work with teams of different disciplines, manage geographically dispersed personnel, communicate with the technical, artistic, and business oriented person, and to take your project to the next level.

Capabilities and Sampling of Projects

Accomplished Pianist

Mr. Sternklar performed concerts with the Long Island Composers Alliance (LICA) at venues including Hecksher Park and at Hofstra University. He also performed two-piano recitals at the Sternklar concert hall for seniors, as well as many other locations. His repertoire has included, Brahms, Mozart, Beethoven, Debussy, Avraham Sternklar and many more.

Composer, Publisher, and Producer

Mr. Sternklar creates unique compositions using combinations of traditional instruments as well as synthesizers, VST/directx software, and custom created computer generated singing voices. Clear Star Publications is an ASCAP music publisher member.

Virtual Set Technology

Virtual set technology has been used to create unique presentations for government, corporate, small business, actors, models, music videos and more. Virtual sets can also be rendered using stereoscopic 3D technology. In addition, stereoscopic 3D video can be combined with stereoscopic 3D CGI, and 2D video. Mr. Sternklar has constructed animated virtual sets with real-world textures that can make them indistinguishable from the real thing.

Video Production

Mr. Sternklar has produced various videos for corporate, TV stations, and government clients including training, special events, press releases, product promotion, web encoding and more. Currently producing music videos complete with computer animation and complex virtual set composition and post production. Mr. Sternklar has created a library of 3D stereoscopic video footage ranging from fashion shows, nature shoots, architectural walkthroughs, aerial, special events, product promotion, tourism, and much more.

Real-Time Video Effects and Switcher Engine

Mr. Sternklar has developed unique techniques and technology to design real-time optical, virtual sets, animated, and other effects between live cameras at concerts, raves, or special events. Up to 24 cameras can be switched during a live event.

Video and image encoding, compression and streaming content

Mr. Sternklar has expert knowledge regarding video and image encoding, compression, watermarking, DVD authoring, and streaming content services for various websites and intranets.

Computer Animation, Modeling and Multimedia applications

Mr. Sternklar has created original 2D and 3D computer animations that were used for broadcast, music videos, independent productions, and in industrial videos. Capabilities include character animator, facial animation & lip-sync, photo manipulation, 3D modeling for pre-visualization, lighting, texturing, and more. Digital artwork of Mr. Sternklar has been displayed at many art shows and auctions. Mr. Sternklar has designed and implemented custom kiosk information systems.

Virtual Reality Applications Pioneer

Devised an original approach to Virtual Reality Applications that utilize a "second-person unencumbered" interface. Applications include Virtual worlds connected via satellite, physical therapy, entertainment, education and more. Proprietary environments were created and used. In real-time objects inside a virtual world respond to your actions. For instance, while standing in front of a camera, on a video wall you will see your image superimposed inside a virtual world where there is a harp beside you. As you move your fingers across the strings you hear those notes play!

For many years Daniel Sternklar has thrilled the public in malls, auditoriums and other locations by allowing them to experience the technology themselves. Participants were even able to purchase a video tape showing their interactions inside various virtual worlds. The system was also used in training by allowing personnel in many professionals such as medical, hazardous materials, industrial and more to practice and hone many skills without any safety concerns. Physical therapy has also been revolutionized by use of virtual technology by taking patients out of the "real" restrictive world and freeing them psychologically and physically aiding the healing process.

The system was employed during live concerts in many unique ways. During one concert audience members could visit a green screen room and find themselves inserted inside a virtual world playing virtual musical instruments. This image was then shown on a projection screen beside a band as they were performing. During a performance of dancers the system was used to control stage lighting based on the dancer's location and also to create real-time artwork that used the dancer's body as a paint brush which was shown on a big screen behind the dancers.

The virtual world system was utilized during a multi-location satellite teleconference. Attendees spanning thousands of miles were inserted inside the same virtual world and could interact with each other and objects inside the virtual world such as an interactive map which when activated would display video from the geographic location "touched" along with graphs of sales statistics displayed "in-front" of the participants. This involved integrating the virtual world system with database servers running on various different operating systems and equipment.

Interactive Agent Technology Pioneer

Animated desktop agents implemented in various client applications to inform and respond to user requests locally and through the internet. Clients could communicate with the intelligent agents by utilizing voice recognition technologies pioneered by Mr. Sternklar.

Stereoscopic 3D Multimedia

Mr. Sternklar makes use of leading edge technology to produce stereoscopic 3d videos, animation, effects, and multi-layered interactive compositions. In addition, Mr. Sternklar has developed proprietary stereoscopic multimedia technologies. Stereoscopic multimedia can be viewed by wearing 3D glasses such as the red/cyan, polarized (like IMAX) or shutter glass type or on special direct view 3D monitors without the need to wear any type of viewing system.

Client uses have ranged from training, education, entertainment and more. When a 3D training video was created for an industrial company at first they made jokes about everyone wearing "those glasses". However, when the 3D depth was evident during many critical assembly phases the client immediately realized that 3D video quickly went from novelty to necessity. Collaboration with the dance department of George Washington University produced a 3D film that thrilled audiences at the International Dance Festival. Celebrity artists have turned to Mr. Sternklar to create a unique record of their accomplishments. A joint venture with the Gettysburg National Military Park is producing a stereoscopic 3D guide to the many statues and monuments.

Photography

Mr. Sternklar has consistently been rated #1 photographer by many online voting polls. He has a unique understanding of lighting, color interactions, and composition of photographic elements. Models, actors, and others seek out Mr. Sternklar for unique additions to their portfolios.

Website Template Technology

Mr. Sternklar created web template technologies that would enable non-computer literate users to update their own corporate web content. Areas such as news, events, job announcements, images, and more could be updated by simply filling in a web form. The database engines behind the website would then dynamically create web pages for visitors to the site.

Website Design and Integration

Developed, designed and implemented various intranet/internet web sites using the latest internet technologies. Java Applets, ActiveX, plug-ins, Streaming video/audio, VRML, Active Server Pages, Onlive Servers, AJAX, Web 3.0, database integration, Domino, PHP, MYSQL, animated agents, voice recognition and more were utilized. Animated agents were used to allow the visually impaired to have the website content read to them, and also functioning as, tour guides and teachers.

Hypnotist

Innovative mass marketed program for the home which included habit modification, super-learning, biofeedback, and regression. Assembly language and basic was the development environment. Various graphic and audio design tools were used as well.