

Professional Profile

Television and Audio Engineer specializing in PEG and cable stations, with extensive background in digital audio and video systems specification, design, and implementation.

In addition to engineering, also versed in television production serving as director, camera operator and videographer, lighting director, sound recordist and mixer, editor, and other production positions.

Also experienced in Master Control operations of PEG and cable stations.

Knowledge of:

- Cablecast and Telvue broadcast automation systems
- Ross Carbonite and NewTek Tricaster live production switcher systems
- Utah Scientific video routing and control systems
- Audio and Video production software from Adobe, Ableton, Blackmagic Design, and others
- Wheatstone, Allen & Heath, Yamaha, Soundcraft, and other audio consoles
- Ross, Cobalt, AJA and other video processing equipment

Professional Accomplishments

Contract Video Specialists

- Design, sell, implement, and support a variety of audio, video, and digital signage systems.
- Provide technical assistance for clients' live event broadcasts.
- Provide engineering backup to clients' facility engineers.
- Manage large, multi-vendor system integration projects.
- Current clients include municipalities, school systems, community access facilities, and federal facilities throughout Maryland, DC, Northern Virginia, and Pennsylvania.

Dragon Digital Media at Howard Community College

- Completed design and implementation of television production and training facility with two production studios, multiple non-linear editing suites, shared asset management systems, and multi-channel digital master control systems.
- Specified and oversaw implementation of ORAD virtual set system
- Specified and implemented upgrades of production studio to high definition.
- Specified and implemented upgrade of digital audio mixer in production studio.
- Specified and oversaw upgrades to facility shared asset management systems.
- Specified and implemented upgrade of combined HCC and Gtv facility Master Control from separate Digital Broadcast and Matco systems to multi-channel TelVue-based system and subsequent upgrade to Tightrope Cablecast high definition system.

Howard County Government Television

- Specified, designed, and implemented master control upgrade from tape-based playout automation to Matco digital video server-based automation.
- Implemented installation of two new non-linear editing suites.
- Specified and implemented audio system upgrades.
- Facilitated movement of Government Television master control operations to Howard Community College and integrated with HCC's systems for unified, multi-channel master control system.

Geren W. Mortensen, Jr.

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Related Work History

January 2024 – Present

President / Senior Engineer,
Contract Video Specialists, Westminster, MD

January 2020 – January 2024

Vice President / Senior Broadcast Engineer,
Contract Video Specialists, Westminster, MD

March 2016 – January 2020

Video Systems Engineer,
Contract Video Specialists, Jessup, MD

July 2008 – February 2016

Broadcast Engineer / Audio Engineer,
Dragon Digital Media / Howard Community College, Columbia, MD

December 2004 – June 2008

Engineer,
Howard County Government Television, Ellicott City, MD

January 2000 – March 2003, July 2003 – October 2004

Acoustic Design Project Manager,
MTH Electric Trains, Columbia, MD

Formal Education

Certified Electronics Technician

Arundel Institute of Technology, Baltimore, MD
October 1, 1983

Additional Information

- Upon graduation from Arundel Institute of Technology, worked with land-mobile communications systems before embarking on 17-year career in information systems and technology. Employers during this period included Wang Labs, Tandy Systems Division, GRiD Systems, Roadnet Technologies, XLSource, and Shared Medical Systems, Inc.
- Freelanced in audio and video production, and still photography, including work for Columbia Association and Maryland Public Television.
- In 2000, transitioned from Information Technologies into production – both manufacturing and media – full time. At MTH Electric Trains, developed audio packages for use in company's model trains, as well as managed manufacturing projects for accessories and model locomotives.
- From 1979 until 2020, offered live-sound and production services to local area bands.
- Between 1990 and 2023, played keyboard instruments in local area bands.
- Electronic musician; Singer in local area band.
- Amateur photographer specializing in landscape, nature, and travel photography.