

# MICHAEL KURRAS

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## WORK EXPERIENCE

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**E.W. Scripps Company (KMGH / Denver7), Broadcast Engineer, Denver, Colorado** May 2022 - Present

- Supported the operation of 2 full-power TV stations, 3 low-power, and 4 OTT/FAST products covering DMA 17
- Collaborated on engineering needs for victory parade specials produced in coordination with Kroenke / Altitude Sports for both the 2022 Avalanche Stanley Cup and 2023 Denver Nuggets NBA Championship celebrations.
- Oversaw the commissioning and delivery of 2 new IP-SNG vehicles; led training for new IP-SNG workflows.
- Developed proactive monitoring systems to anticipate technical issues and reduce service interruptions.
- Assisted with the implementation of an ITIL-compliant system for issue tracking and change management.
- Maintained, and installed the full range of broadcast, microwave, satellite, cellular, and production systems.
- Curated technical documentation of production systems.

**Santa Margarita Catholic High School, Rancho Santa Margarita, California** Jan 2018 – May 2022

*Information Technology Technician* (July 2020 – May 2022)

- Administered 1800+ student and faculty laptop devices in support of SMCHS's One-to-One tablet program using Active Directory / Group Policy / Azure / FileWave / Computrace / Microsoft 365
- Guided \$2M in capital and operational projects, managing resource loading to meet strict deadlines.
- Investigated security breaches, account takeovers, and phishing attempts as well as student technology conduct issues.
- Troubleshooted, repaired, and resolved issues with Lenovo and Dell laptop devices.
- Assisted with campus-wide LAN and WLAN buildout: cable pulls, structured cabling, testing, certification, mapping.

*Broadcast Engineer* (Jan 2018 – May 2022)

- Served as EIC for all broadcasts at SMCHS including Football, Basketball, Wrestling, Track & Field.
- Directed \$200k in capital improvements to the SMCHS Television Studio upgrading the plant to 3G-SDI and standardizing on Ross production infrastructure and
- Developed process improvements including the curation of an open-source technology stack to bring in live contribution feeds and programming of protocol translators to integrate live sports score feeds into broadcasts.
- Facilitated campus-wide transition from analog CATV broadcasting to digital modulation and IPTV distribution.
- Trained students and staff on Ross Carbonite, xPression, 3Play, Magnum, Dante and all other studio technologies.
- Managed maintenance and repairs to ensure the operational readiness of the TV studio.

**High Impact Mobile Entertainment, Orange County, California** August 2020 – May 2022

*Freelance Audio-Visual Technician* (July 2020 – May 2022)

- Operated audio, video, lighting and projection equipment for live performances, school dances, and other events.
- Assisted with event load-in and strike prioritizing safety, organization, and timeliness; often in unfamiliar venues

## CERTIFICATIONS

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- **Arista Cloud Engineer: Level 1** Issued by Arista Networks – September 2023
- **Understanding SMPTE ST 2110** Issued by SMPTE – February 2023

## TECHNICAL SKILLS

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- *Computer Languages:* Python, Java, C++, MATLAB, PHP, HTML, CSS, XML
- *Technologies:* EVS Cerebrum, Evertz Magnum, SMPTE 2110, AWS, Hyper-V, Docker, Dante

## EDUCATION

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**Villanova University, Villanova, Pennsylvania** 2015 - 2017

- Completed Coursework Towards Bachelor of Science in Electrical Engineering

**JSerra Catholic High School, San Juan Capistrano, California** 2015

- Graduate of Film Fine Arts Magnet Program