

# Jeffrey S. Whitten, Ph.D.

Educator & Broadcast Professional

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## CAREER

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Jeffrey Scott Whitten, Ph.D., is an interdisciplinary researcher, educator, and award-winning media professional with over 15 years of experience spanning broadcast production, environmental research, and student mentorship.

As Assistant Director of 22 West Media at CSULB, Dr. Whitten oversaw three branches of student-run media: television, radio, and magazine, providing students with immersive, hands-on learning experiences. He fostered a collaborative, creative, and inclusive environment, preparing students to effectively navigate the ever-evolving landscape of digital media.

Dr. Whitten's current research investigates pesticide presence in a cold-region agricultural basin. His published work highlights how soil properties, precipitation, and crop rotation influence pesticides in surface water and groundwater, utilizing Random Forest Regression models for data analysis and importance quantification.

Previously, Dr. Whitten spent a decade at Titan Communications, CSUF, where he produced award-winning television programs, trained emerging media professionals, and implemented advances in studio and remote broadcast production. Since 2008, he has also volunteered at LosAl TV Studio 1, creating community-centered content, supporting media operations technically, and advocating for public domain protections in digital media.

With combined experience in academia, environmental research, and media production, Dr. Whitten integrates technical expertise and creative media, making meaningful contributions across both the arts and sciences.

## EDUCATION

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University of North Dakota Ph.D., Environmental Engineering	2025
California State University, Fullerton M.S., Environmental Engineering	2017
California State University, Long Beach B.A., Film & Television Studio Production, emphasis in Directing & Animation	2011

## ACADEMIC EXPERIENCE

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Cinematic Arts Department, CSULB

**Adjunct Professor** (Fall 2018 - Spring 2024)

Courses: Broadcast Production I & II

- Created hands-on curriculum in multi-camera production, directing, and post-production workflows.
- Mentored students in production design, industry-standard equipment, and broadcast techniques.
- Provided individualized feedback to enhance students' professional broadcast skills.

Cinema & Television Arts Department, CSUF

**Adjunct Professor** (Spring 2018)

Courses: Introduction to Television Studio Production

## PROFESSIONAL EXPERIENCE

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22 West Media/Associated Students, Inc., CSULB

**Assistant Director** (2024-2026)

- Managed 22 West's Television, Radio, and Magazine operations.
- Supervised a diverse team of 45+ individuals, including
  - One full-time Manager of Student Media
  - Three student branch leads (Television, Radio, Magazine)
  - 30+ student assistants, 15+ interns, and 100+ volunteers across all branches
- Uphold professional standards and ethical guidelines in broadcasting, journalism, and media production.
- Guided student-driven projects focused on social impact and storytelling.

Titan Communications, CSUF

**Television Specialist** (2014-2024)

- Managed Titan TV, Titan Radio, and Titan Universe branches.
- Directed and produced award-winning live broadcasts, including Titan Radio Live!, The Report, In Focus, OC News, and Al Día.
- Trained and mentored a team of 45+ student staff and interns.
- Spearheaded workflow optimizations using Trello, Slack, and studio production training programs.

Los Alamitos Community Television (Los Al TV Studio 1), Los Alamitos, CA

**Senior Producer** (2008-Present)

- Created and produced local programming to highlight community initiatives and events.
- Designed and maintained website using WordPress.
- Assisted in the production of award-winning documentaries and local public interest programming.
- Provided technical expertise in cinematography, editing, and broadcast engineering.
- Led efforts to restore public domain works and advocate against false copyright litigation, ensuring fair access to historical and educational content.

## PUBLICATIONS & PRESENTATIONS

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Whitten, J., Mahmood, T. H., & Jeannotte, T. L. (2025). Pesticide presence and distribution in a cold region agricultural basin. *Science of The Total Environment*, 1000, 180477.

<https://doi.org/10.1016/j.scitotenv.2025.180477>

Whitten, J. (2025). *Pesticide presence and distribution in a cold region agricultural basin* (Doctoral dissertation). University of North Dakota. <https://commons.und.edu/theses/7164/>

Whitten, J., & Kurwadkar, S. (2020). Advancing Student Success in STEM at CSUF [Video presentation]. *National Science Foundation STEM DIVE Competition*, California State University, Fullerton

## RESEARCH & TECHNICAL EXPERTISE

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**Environmental Engineering & Contaminant Hydrogeology**

- Water quality assessment with a focus on pesticide presence, distribution, and seasonal variation.
- Interpretation of watershed data and contaminant transport in cold-region hydrologic systems.
- Expertise in contaminant hydrogeology and pesticide fate analysis.

**Broadcast & Media Production**

- Multi-camera television and film production for both studio and field environments.
- Creation, direction, production, and editing of live and pre-recorded broadcast content.
- Proficient in signal flow management and broadcast engineering diagnostics, including troubleshooting complex AV systems.

## AWARDS

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2026

### ACP College Media Arts Conference Awards

- Award: Second Place, Literary Arts Magazine, Best of Show Award
- Project: 22 West Magazine

2025

### IBS Radio Conference College Awards

- Award: First Place, Comedy Show Program
- Project: The News by Ella Peng

### ACP College Media Arts Conference Awards

- Award: Second Place, Literary Arts Magazine, Best of Show Award
- Project: 22 West Magazine

2020

### National Science Foundation STEM DIVE Competition

- 2x Awards: Experts' Choice & People's Choice
- Project: Advancing Student Success in STEM at CSUF
- Category: STEM Higher Education
- Notes: Video produced, edited, and narrated by Jeffrey Whitten, Ph.D. in collaboration with Sudarshan Kurwadkar, Ph.D.

### CSUF University Awards Program

- Award: Teamwork & Collaboration
- Team: Titan Communications

2019

### Communicator Awards

- Award: Excellence
- Project: CSUF Rap
- Category: Film/Video Education/Educational Institutions

### Communicator Awards

- Award: Distinction
- Project: CSUF Holiday Video
- Category: Film/Video Government Relations

2018

### Telly Awards

- Award: Bronze
- Project: Titan Radio Live! featuring Thrift
- Category: Student-General
- Notes: 20–30 minute music performance series created by Jeffrey Whitten in Fall 2014.

2017

### W.A.V.E. Awards

- Award: Excellence in Local Cable Programming
- Project: Uniting for Parity | Event Promo
- Category: Program/Channel Promo
- Notes: Promotional video highlighting a women's rights conference. Featured speakers included producer Nasim Pedrad and TED speaker Jackson Katz, Ph.D.

2008

### Water Conservation Video Competition – LA Metropolitan Water District & Long Beach Water

- Award: Best Overall Video
- Project: Stop Wasting Water
- Team: Robert A. Millikan Student Energy Team

## TECHNICAL

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**Operating Systems:** Windows, Linux, Mac OS

**Research Software:** HYDRUS 1D, ArcGIS Pro, Zotero

**Creative Software:** Adobe Creative Cloud (Premiere Pro, Audition, Photoshop, Illustrator, InDesign), DaVinci Resolve, Final Cut Pro, Vegas Pro, Pro Tools, CuBase, Audacity, OBS Studio, Ross Inception

**LED Walls:** ROE Creative Display LED Wall, Brompton 4K Tessera SX40 LED Processing Platform

**Video Switchers:** Broadcast Pix, Blackmagic, TriCaster, Grass Valley, Wirecast

**Broadcast Servers:** Castus, Grass Valley, Leightronix

**Storage Solutions:** QNAP NAS 64TB Raid 10, Synology NAS 150TB, AJA KiPro, Blackmagic Hyperdeck

**Cameras:** Blackmagic Design URSA Broadcast G2, Canon C70, Panasonic GH6

**Audio Equipment:** Yamaha DM1000 Digital Audio Console (with Dante), Zoom L20

**Signal Flow & Diagnostics:** Designing signal flow diagrams and planning signal routing; SDI, RJ45, and XLR cable creation and termination; Marshall engineering waveform monitors and vectorscopes; AJA Kumo 64x64 12G-SDI router

**Web & Graphic Design:** Adobe Photoshop, Illustrator, InDesign, Autodesk Maya; Social media management across Facebook, YouTube, X, Instagram, Threads, TikTok, Bluesky, and Snapchat; Hootsuite management

**Website Management:** Plesk, FTP, CSS, HTML, WordPress server applications

## HOBBIES

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- Staying Active: Running, Lifting, Hiking
- Home Improvement: Building, Construction
- Music: Composition & Sequencing
- Set & Furniture Building
- Research & Writing: Peer-Reviewed Articles
- Computers: Building, Upgrading, & Diagnosis

## PROFESSIONAL AFFILIATIONS

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- Member, College Media Association (CMA) | 2024-2026
- Member, Associated Collegiate Press (ACP) | 2024-2026
- Member, Intercollegiate Broadcasting System, Inc. (IBS) | 2024-2026
- Advisor, 22 West Media | CSULB | 2024-2026
- Advisor, Titan TV Club | CSUF | 2015-2024
- Advisor, Titan Radio Club | CSUF | 2015-2024
- Advisor, Titan Sports Club | CSUF | 2015-2024
- Secretary, Filmmakers Association | LBCC | 2007-2008
- Founding Member, RAMSET (Robert A. Millikan Student Energy Team) | 2004-2009