

Andrew Grathwohl

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EDUCATION

INDIANA UNIVERSITY

BS IN RECORDING ARTS

May 2011 | Bloomington, IN
Conc. in Computer Music
Jacobs School of Music

PATENTS

Narrator selection by comparison to preferred recording features

Inventor of US Patent #9412395

SKILLS

PROGRAMMING

Javascript (Node.js, React) • Shell • C
• Rust • R • Python • Ruby/Rails
• \LaTeX • C# • SuperCollider • Smalltalk

OS/PLATFORMS

GNU/Linux • FreeBSD & OpenBSD
• AWS (S3, Glacier, EFS, EC2, Lambda, SQS, Route53, ELB, CloudFront)
• Git & GitHub • Kubernetes • Jenkins

SOFTWARE

• FFmpeg • GPAC • x264/x265
• libaom-av1 • libvpx • Vapoursynth

SIGNAL PROCESSING

Computer Vision & Media Analysis:
Object & scene classification • Perceptual quality testing • PSNR/SSIM/VMAF
Digital Audio:
Restoration & forensics • EBU R128
• Spectral enhancement • Multi-channel binauralization • Higher-order ambisonics

LINKS

Github:// [agrathwohl](#)
LinkedIn:// [andrewgrathwohl](#)
StackOverflow:// [andrewunmuted](#)

EXPERIENCE

LITTLSTAR | DIRECTOR, MEDIA TECHNOLOGY

Apr 2016 – Present | New York, NY

- Lead Littlstar's Media Services engineering team and its development roadmap
- Administer, build, and operate systems for ingestion, QC, processing, and transcoding of 8K+ stereoscopic mezzanine video
- Set, test, and maintain Littlstar's multimedia quality standards, documents, and procedures
- Developed one of the world's first content pipelines for encoding, streaming, and archiving 360 video, AR/hologram assets, higher-order ambisonic audio productions, and other immersive media
- Build consensus among Littlstar's partnerships by evangelizing best-practices and new solutions to the unique challenges of immersive multimedia

CBS CORPORATION | SHOWTIME - SENIOR BUSINESS ANALYST

Jan 2016 - Apr 2016 | New York, NY

- Project lead for \$1.1 million DAM build-out for Showtime original content
- Managed multi-disciplinary technical teams consisting of stakeholders located in the US, UK, India, and China
- Migrated all third-party content operations in-house, leveraging open source software
- Digitized more than 150TB of archived analog video productions

SACRED DATA MEDIA PARTNERS | HEAD PARTNER

Jan 2015 - Dec 2015 | Brooklyn, NY

Founded & managed media technology consulting firm for NYC startups:

- Streamable.com (Video encoding profile optimization)
- Overture.me (Cloud-driven video editing backend for iOS social video app)
- SpokenLayer (Automated podcast generation cloud service)

AMAZON | AUDIBLE.COM - ACX PRODUCTION COORDINATOR

Sep 2013 – Dec 2014 | Newark, NJ

Founded new Amazon/Audible audio publication company for independent authors:

- Owner of ACX audio operations, including ingestion, production guidelines, and transcoding
- Managed Audible's audio QA team, consisting of four full-time audio engineers
- Developed and implemented Amazon's first fully automated audio quality control infrastructure
- Scaled ACX's production volume from 200 audiobooks per month to over 3,000 audiobooks per month
- Regularly blogged about & presented audio production techniques for ACX as "Andrew the Audio Scientist"

AMAZON | AUDIBLE.COM - POST-PRODUCTION ASSOCIATE

Oct 2011 - Sep 2013 | Newark, NJ

- Edited & produced more than 150 premium Audible Studios audiobooks
- Defined department-wide audio QA guidelines and encoding specifications
- Developed an automated web service which transformed Kindle book files into screenplay-style narration scripts for voice actors

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SOCIETIES & PANELS

2018	Regional	Streaming Media East 2018, "The Future of Video Codecs: VP9, HEVC & AV1"
2017	National	Audio Engineering Society, "Challenges & Opportunities in 6DoF Audio"
2017	National	Sennheiser & The Digilogue, "Shape the Future of Audio"
2017	Regional	Digital Entertainment Merchants Association East, "Immersive Media"
2014	National	Audible Narrator Knowledge Exchange, "Audiobook Production"

AWARDS

2015	Audie Award (Best Erotica Title)	Alpha (Audiobook Producer)
2013	AudioFile Earphones Award	The Things They Carried (Audiobook Editor)
2012	AudioFile Earphones Award	1Q84 (Audiobook Editor)
2011	Music Faculty Award	Jacobs School of Music, Audio Engineering

PRODUCTION CREDITS

FILM & TELEVISION | DUBBING, ADR & FOLEY

Viacom

The Fairly Odd Parents Movie (Portuguese Dubbing) • South Park (Portuguese Dubbing) • Grachi (Foley)

Showtime

Weeds (Spanish Dubbing) • Nurse Jackie (Spanish Dubbing) • 60 Minutes Sports (Spanish Dubbing)

Globo

A Favorita (English Dubbing) • Cobras & Lagartos (English Dubbing) • Ciudad de Homens (English Dubbing, Foley)

MUSIC | LIVE SOUND, STUDIO MIXING & MASTERING

Studio Mastering

Credited mastering engineer on over three dozen official music releases.

Selected mastering credits:

- A Tribe Called Quest • Chvrches • Phantogram • The Range • Photay • Obey City • Jay Boogie

Live Sound

600+ hours of live audio production, recording, and mixing experience in modern & classical settings.

Selected A1 sound credits:

- Quincy Jones • Aphex Twin • Metropolitan Opera • Joshua Bell • Wilco • Todd Rundgren

PODCASTS | PRODUCTION & AUDIO EDITING

- TIME's The Brief
- TIME Magazine - Premium Edition
- Reuters World News - Spoken Edition
- Wired Magazine - Spoken Edition