Andrew Grathwohl

https://www.grathwohl.me
andrew@grathwohl.me

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
• Node.js • Bash • C • C++ / C#
• Rust • R • Python • Ruby
• LaTeX • SuperCollider • Matlab

PLATFORMS/SERVICES
• GNU/Linux • FreeBSD • npm
• AWS (S3, EFS, EC2, Lambda, SQS, ELB)
• GitHub • Docker • Kubernetes
• Akamai • Limelight • Aspera • Signiant

SOFTWARE
• FFmpeg • GPAC • x264 & x265
• libaom-av1 • libvpx • Vapoursynth
• QCTools • Git • Nginx • Redis

SIGNAL PROCESSING
Computer Vision & Media Analysis:
• Object & scene classification
• Perceptual quality testing
• PSNR/SSIM/VMAF
Digital Audio:
• Restoration & forensics • EBU R128
• Speech detection & synthesis
• Spatialization & higher-order ambisonics

LINKS

Github:// **agrathwohl**
LinkedIn:// **andrewgrathwohl**
StackOverflow:// **andrewunmuted**

EXPERIENCE

LITTLSTAR | Director, Media Technology
Apr 2016 – Present | New York, NY
- Manage Littlstar's Media Services team and oversee technical partnerships
- Administer, build, and operate open source software systems for ingestion, indexing, QC, processing, broadcasting, and transcoding of mezzanine video
- Maintain Littlstar's multimedia quality standards and testing procedures
- Implement and scale the Littlstar content library, metadata database schema, and content internationalization services
- Build consensus among Littlstar's partners by evangelizing best-practices and new solutions to the unique challenges of immersive multimedia
- Ensure high QoE for video playback on platforms as diverse as PlayStation 4, PSVR, Android TV, and mobile web
- Lead the development of cloud services to support 360 video, AR hologram assets, higher-order ambisonic audio productions, linear and live event broadcasts, MPEG-DASH delivery, and Widevine DRM

CBS CORPORATION | Showtime - Senior Business Analyst
Jan 2016 - Apr 2016 | New York, NY
- Analyst lead for 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 and archived video masters totaling over 150TB in file size

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 EXPERIENCE

FILM & TELEVISION | Dubbing, ADR & Foley

Viacom

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