



Thanks for joining me for ***FAIK Everything: The Deepfake Playbook, Unleashed!*** It was great sharing these techniques and tools with professionals who truly understand what's at stake.

You're now officially part of the inner circle: security awareness pros, IT security specialists, and red team experts who aren't just observing synthetic media from afar—you're actively equipping yourselves to detect, understand, and counteract these emerging threats.

As a follow-up, I put together this resource sheet as a quick reference guide to help keep track of some of the tools (and categories of tools) mentioned or alluded to during the webinar.

As always, reach out anytime. I'd love to continue the conversation.

— Perry Carpenter

- **LinkedIn:** <https://www.linkedin.com/in/perrycarpenter/>
- **YouTube (The FAIK Files):** <https://www.youtube.com/@theFAIKfiles>
- **Audio Podcast:** <https://thecyberwire.com/podcasts/the-faik-files>
- **My weekly newsletter, *Deceptive Minds*:** <https://www.linkedin.com/build-relation/newsletter-follow?entityUrn=7319922626200510464>

- **Book:** *FAIK: A Practical Guide to Living in a World of Deepfakes, Disinformation, and AI-Generated Deceptions* : <https://ThisBookIsFAIK.com>
- **My website,** *The Deception Project*: <https://TheDeceptionProject.com>
- **Live in-person training,** Aug 2-5 in Las Vegas: *Offensive Cyber Deception Masterclass*: <https://thedeceptionproject.com/live-training>



Deepfake & Synthetic Media Tools

Welcome to your curated guide to many of the tools discussed in today’s webinar on deepfakes and synthetic media. I’m also including several tools I didn’t have time to touch on, but are useful to know about.

Each section includes a brief explanation of what the toolset does, followed by examples you can explore.

Voice Cloning & Synthesis

These tools generate AI-cloned voices from text or samples. Useful for voiceovers, character simulations, fake voicemails realistic “secret recordings,” and more.

Tools to explore:

- **ElevenLabs** – High-quality voice cloning with expressive controls (<https://elevenlabs.io/>)
 - **PlayHT** – Lifelike AI voices with support for long-form content (<https://play.ht/>)
 - **HeyGen** – Combines voice cloning with video avatars (<https://heygen.com>)
 - **AKOOL** – Combines voice cloning with video avatars (<https://akool.com/>)
 - **F5TTS** – Great model that can be run locally: (<https://github.com/SWivid/F5-TTS>)
 - **RVC real-time voice changer** – This is the local app I use most often for real-time voice changing. If getting this setup is intimidating, you can use some of the real-time voice changes made for gamers & streamers (e.g. VoiceMod): https://github.com/w-okada/voice-changer/blob/master/README_en.md
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Pre-recorded Deepfake Video

These platforms let you generate talking head videos by uploading a script (text-to-speech or pre-recorded audio) and choosing or uploading a video clip or photo of the person you want to imitate. These are often weaponized as deepfake CEO messages, political disinformation campaigns, fake celebrity endorsements, or plain old satire.

Tools to explore:

- **Akool** – Supports face swaps and lip-synced avatars (<https://akool.com/>)
 - **HeyGen** – Easy video avatar creation with multiple templates (<https://heygen.com>)
 - **Kling** – Advanced AI-generated visuals and facial animation (<https://www.klingai.com/global/>)
 - **Tavus.io** – New avatar/lipsync model called ‘hummingbird’ (<https://www.tavus.io/>)
 - **Headra** – Creates animated talking heads from images. Very fast... just OK lipsynch, but people are still blown away by what’s possible (<http://hedra.com/>)
 - **LemonSlice** – Quick, photorealistic animation from portraits. Good lipsync, but low res (<https://lemonslice.com/>)
 - **Pika** – Very good multi use platform for creatives... can also be a good deepfake creation platform in the right circumstances (<https://pika.art/>)
 - **DupDub** – multi-use creation platform for deepfake videos, voice, etc (<https://www.dupdub.com/>)
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Real-time Deepfake Video

These tools enable live face-swapping during video calls or recorded streams. They are ideal for demonstrating how impersonation can happen in real time. Note: for these to work well, you’ll need a high-end Windows computer (e.g. i9 processor with an NVIDIA RTX4060 or higher GPU).

Tools to check out:

- **DeepFaceLive** – Open-source tool for live face-swaps. Great for demos because you can see the face mapping. (<https://github.com/iperov/DeepFaceLive>)
 - **Deep Live Cam** – Open-source live face-swapping. Great for demos. (<https://github.com/hacksider/Deep-Live-Cam>)
 - **Magicam** – fully package Windows app with pre-installed virtual camera and RVC client for real-time voice. Ready to go for Zoom / Teams / Etc. Great for read teamers needing a turn-key deepfake system. Note... the RVC integration is not great. I use a different tool for RVC. (<https://magicam.ai/>)
 - **Akool** – Cloud-based version; slower but simple to use for demos (<https://akool.com/>)
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Real-time Voice Deepfakes

These tools modify or clone voices in real time. Often used with microphones and streaming setups for impersonation or character creation.

Tools to explore:

- **Various RVC Clients (Retrieval-based Voice Conversion):** RVC is an open-source spec used in several different apps. You just need to find the one that works best for your specific needs.
- The system I use most often for real-time voice is: https://github.com/w-okada/voice-changer/blob/master/README_en.md.
- You can easily make voice clones for use in RVC systems at <https://www.weights.com/>, the replay app (<https://www.weights.com/replay>) or by downloading a core RVC client for cloning such as AICoverGen (<https://github.com/SociallyIneptWeeb/AICoverGen>) or Appilo (<https://applio.org/>).
- If you can't get any of these to work and just need to demo realtime voice conversion, then you can use systems created for games/streamers (e.g. VoiceMod).

Fake Social Media Posts

These platforms allow you to generate convincing fake tweets or social posts, which are often used in disinformation or narrative manipulation campaigns.

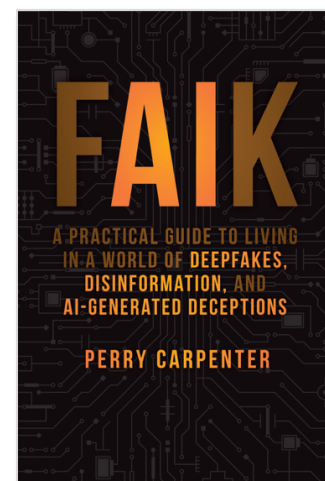
Tools to explore:

- **TweetGen** – Quickly mockup fake tweets with custom handles, text, and stats (<https://www.tweetgen.com/>)
- **Tweet Hunter's Fake Tweet Generator** – This is the one I use most often. It can be glitchy, but looks great when it works. (<https://tweethunter.io/fake-tweet-generator>)
- **HopeFury** – Yet, another one... (<https://hypefury.com/tools/fake-tweet-generator/>)
- **TypeFully** – And another... (<https://typefully.com/tools/fake-tweet-generator>)
- **Canva** – If you want to go the manual route (<https://www.youtube.com/watch?app=desktop&v=eGzpuj2C7nw>)

Check out FAIK!

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<https://ThisBookIsFAIK.com>

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