

I'm a lifelong [hacker](#), [musician](#), and [artist](#), passionately making connections between the seemingly disparate. Professionally, I've built an arsenal of skills and honed my design thinking over hundreds of projects.

Unlock more potential! Let's talk about creative solutions to accelerate your endeavors.

Art & Technical Skills

- MEDIA** Music, Drawing, Typography, Graphic Design, Illustration, Video, Animation, Online, Social, & Interactive.
- COMPUTING** GNU/Linux, BSD/macOS, Windows, Security, Server Configuration, Networking, Virtualization, Persistence, SQL, NoSQL, Version Control, CI/Deployment, Encryption, Blockchain, Prototyping, & Minimally viable production.
- DEVELOPMENT** Java, C++, Go, Python, Ruby, Node.js, Such JavaScript frameworks, Responsive SCSS/SASS, HTML5 Canvas, Phaser, Unreal/Unity, Supercollider, Max/MSP/Jitter, WebAudio, & OpenGL.

Founder & C.E.O.

XJ Music™ (xj.io) AI-powered instrument for collaborative music production. *2017— Present*
✓ Inventor of U.S. Patent Application Serial No. 16/159,815 for Musical Audio Composition Generation.
✓ Develop software wherein artists collaboratively compose ambient music in an AI-powered cloud platform.

AIRCRAFT™ (ambience.co) Productivity for Shared Spaces™ *2017— Present*
✓ Research & develop beneficial, commercially effective ambient music.

Solutions

CredSpark (credspark.com) UX, Development, & Operations, rich interactive learning experiences *2012— Present*
✓ Research & develop paradigm-breaking UI enhancements to increase value captured by existing users.
✓ Backup data off-site & ensure compliant security practices for development operations on an all-remote team.

Signal (signal.co) Development & Operations, global customer identity resolution platform *2014— 2017*
✓ Versatile fixer on a 40-person engineering team supporting over a trillion transactions per day.
✓ Discover opportunities for enhanced workflow, repeatedly leading giant leaps forward in productivity.

Kitchen Brains (kitchenbrains.com) UX & Development, global market survey mobile app *2014*
✓ Design responsive web UI in order to enable independent field operators to survey markets worldwide.
✓ Deliver turn-key web app to be "bolted on" to existing SQL database for market surveys.

Rasmussen College (rasmussen.edu) Development, branded assets in partner websites *2014*
✓ Deliver turn-key web platform to embed branded assets, viewed tens of thousands of times daily.

InRhythm (inrhythm.com) Development, re-engineering a massive B2C interface *2014*
✓ Lead a tenacious discovery process across the 200-person engineering department at **Hertz**.

Early Career

Co-Founder *2010— 2014*
✓ **RetailMLS**, design & develop a B2B retail leasing analysis platform, exclusive to the complex NYC market.
✓ **Wendr**, design & develop a social networking app with real-time identity resolution; we partner with **AB InBev**.

Agency Freelancer *2005— 2010*
✓ Develop an online platform for David Blaine, through which he receives 300,000 fan messages during a 7-day stunt.
✓ Art at agencies including **Big Fuel**, **Foundry9**, **Cheil**, **Hanft Raboy**, **Transistor Studios**, **360i**, and **Big Spaceship**.
✓ Design & develop online media for **Activision**, **AIG**, **Chase**, **Colgate**, **Columbia**, **Freddie Mac**, **Hewlett-Packard**, **Kraft**, **Nintendo**, **Sallie Mae**, **Samsung**, **Stetson**, **Tassimo** and the **U.S. Department of Justice**.

Student & Filmmaker *2001— 2007*
✓ Attend NYU Tisch Film & TV, focusing on media post-production technology, sound design, and animation.
✓ Direct, edit, & animate music videos, advertisements, and promos.

Open Source Projects

- Music Theory** (Go) gopkg.in/music-theory.v0
- Audio Mixer** (Go) gopkg.in/mix.v0
- Count** (JS) npmjs.com/count
- Producteev Export** (JS) git.io/fjTPn
- Trello to Pivotal** (JS) git.io/fjTPC