

# Craig Ellenwood

## Audio and Video Wizard

Point Roberts, WA

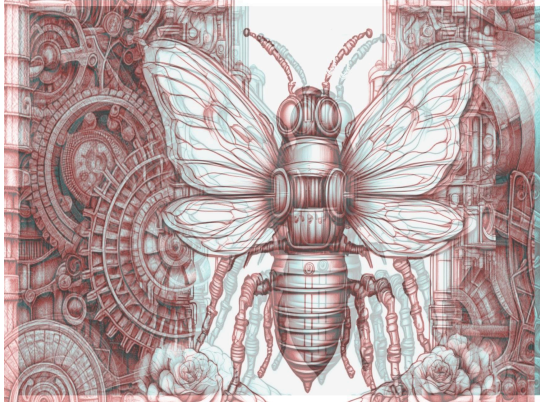
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## EXECUTIVE SUMMARY

I'm an audio and video nerd, and my passion is using cutting-edge techniques to create unique motion visuals and immersive experiences. I view my primary reward as being the first person or team to achieve something new, and I have a list of those achievements under my belt already.

Currently, I'm utilizing artificial intelligence (AI) technologies like machine learning, WebGL, and WebRTC to push the boundaries of visual storytelling, music generation, and immersive experiences, and content creation. In the past, I've experimented with and designed spatial audio systems for live performance, built video encoding and storage pipelines, coded AI software and generative video pipelines. I'm always looking for new ways to innovate and create, and I'm excited to see where my passion for audio and video take me next.



## Portfolio and samples

Demo Reel:

<https://haawke.com/video/demo-reel.html>

ThreeJS video & my philosophy:

[https://haawke.com/video/invent\\_yourself](https://haawke.com/video/invent_yourself)

CV: <https://haawke.com/bio/cv>

## Skills

Development: Python, Javascript, HTML, CSS, WebGL

Software: ThreeJS, BabylonJS, P5JS, Ableton Live, Touch Designer, Adobe CS Suite, FFMPEG, Q-Lab,

Resolume, Mad Mapper, Modul8, OBS, AWS, Amazon Kinesis, Github, Gradio, HuggingFace,

Google Cloud, Google Colab, Observable, VS Code, MS Office.

Other: Data analysis, web scraping, automations, API authoring, IT, InfoSec.

Authorized to work in the US and Canada (Dual citizen)

## **Work Experience**

### **Founder:**

#### **Haawke Neural Technology - Las Vegas, NV, Vancouver BC**

*December 2023 to Current*

AI and machine learning with primary focus being applications and experiences related to the arts, and audio-visual technology.

### **Creative Director**

#### **Inoculate Media - Vancouver, BC**

*January 2021 to November 2023*

I led development of new technology that fuses art and technology. I developed WebRTC enabled video apps for business, applications for video projection mapping, and generative music apps using machine learning. During this time, I also produced a record and video game that used technology generously donated by Google to run the neural networks that powered our machine learning department.

### **A/V Technician**

#### **AREA 15 Las Vegas - Las Vegas, NV**

*May 2022 to February 2023*

I created immersive environments using 360 degree projection mapping, Spatial Audio.

I developed for live performance, VJ programs, A/V switchers, spatial sound, and used 14 laser video projectors to create an immersive environment on a large scale for concerts. That was three stories tall and included ground projections.

I used a suite of programs that I built using TouchDesigner, ThreeJS, and generative AI pipelines for live performance.

## **Production Manager**

#### **Barberstock Systems, Inc - Vancouver, BC**

*January 2016 to December 2020*

I was production manager for a digital asset management company that serviced the tourism and travel industry, destination marketing organizations, and convention bureaus. I maintained and was in charge of a database of over one million digital assets. Performed daily video editing and transcoding.

I was also the liaison between clients and our dev team, communicating what we needed as we rapidly grew. Light programming (Python, HTML, JA VA)

## **Co-founder**

### **Burning Man Project - San Francisco, CA**

*September 1992 to September 2020*

I founded the music element of this popular event in 1992 and oversaw all aspects of the development of the sound camps, DJ's, and related audio/visual aspects. I continue to be involved. The Burning Man Org recently interviewed me for their web page:

<https://journal.burningman.org/tag/craig-ellenwood/>

## **Education**

Lincoln Southeast High, Lincoln, NE

University of Nebraska, Lincoln

Major: Art History and Photography

Heartwood Institute, California

-Strategic Hypnotherapy

Non-credit continuing education:

VIVO Media Arts Center - Vancouver, BC

Academy for Creative Media at University of Hawaii, Manoa

## **Breadth of Experience**

- Photography (20+ years)
- JavaScript (6 years)
- HTML5 (15+ years)
- AWS (5 years)
- Adobe Lightroom (15+ years)
- Adobe Premiere (15+ years)

- Adobe Illustrator
- CSS (15+ years)
- Adobe Photoshop (15+ years)
- Adobe Creative Suite (10+ years)
- Graphic design (10+ years)
- Adobe InDesign (10+ years)
- Python (6 years)
- Music theory (15+ years)
- A/V Tech (5 years)
- Audio engineering (10+ years)
- Machine learning (2 years)

## **Certifications and Licenses**

Non-Violent Crisis Intervention

American Red Cross First Aid and CPR

Certified Hypnotherapist