Chris Bigelow

Side Project Resume

HARDWARE PROJECTS

POOR MANS SPACE PROGRAM

In college I launched a high altitude weather ballon program. I first got my HAM radio license in order to broadcast data to APRS ground stations. I built a "Track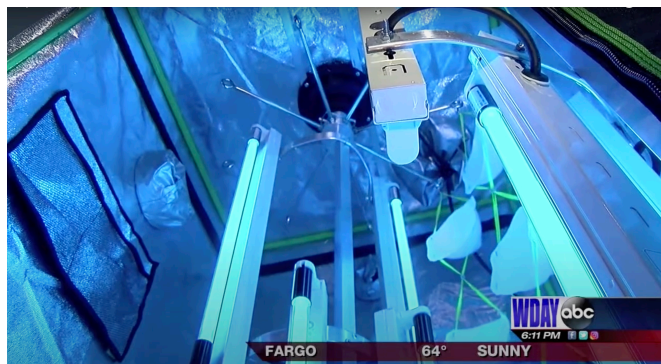uino" (existing open source). An APRS tracker shield for the Arduino. Here is a link to Youtube video I created of the hardware assembly process and here is a link to a video of the actual launch and recovery.
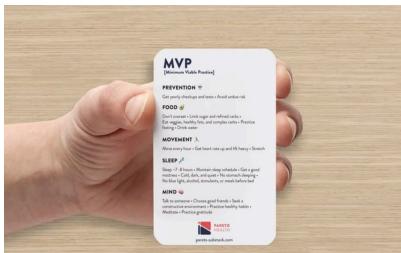

SUPERCUBE

Built (w/ 2 other friends) a cheap and quick UV mask disinfection unit that we actually deployed at a local hospital. This was when masks were being reused by medical personnel during the COVID-19 pandemic. I spent my days calling ~90 nursing homes and hospitals in the midwest. We had a few other facilities lined up to trial our product when masks started becoming more available, making reuse no longer necessary. Made the news though!

PAUSBOX

Quick Youtube Intro. A friend and I built a time-locking wireless charging stand that helps you create a healthy relationship with your phone. Prototyped hardware and software and shot our own promo for Indiegogo. Ran ads but our campaign failed. Here is a link to our old campaign!

PARETO HEALTH

Substack newsletter I wrote for improving health and longevity practices using the "80/20" principle.

FERNA SAUNA

Another side project I'm working on. I'm Building the world's first wood pellet sauna. We are now on the 6th iteration of our stove design and are going to be assembling an entire sauna soon. Our design provides a wood burning sauna experience with precise temperature control, auto-ignition, and plugs into a standard wall outlet (no electrician required).

PERSONAL SOFTWARE PROJECTS

AmazonAnalyzer - analyze your amazon spending history

2dToSTL - generating STL files from 2d images using AI

GoVibecoder - a site for collecting AI-generated software

Brandbird - analyzing tweet sentiment

Onionup - uptime for Tor services