

Donovan Zeanah

Creative

Workshop

 [Donovan Zeanah](#) [October 18, 2020](#)

My Passion:

-This is what I pour my life energy into.

-It holds my tools, my books, my collected items from my travels, my childhood memorabilia.

-I use it for projects, experiments, diy, videoing, creating, and testing physical materials and objects. Its my personal gallery, museum, workshop, and storage location.

-Its located at my grandmothers house in Tuscaloosa, AL.

-I seek to establish a workshop capable of establishing an estate.

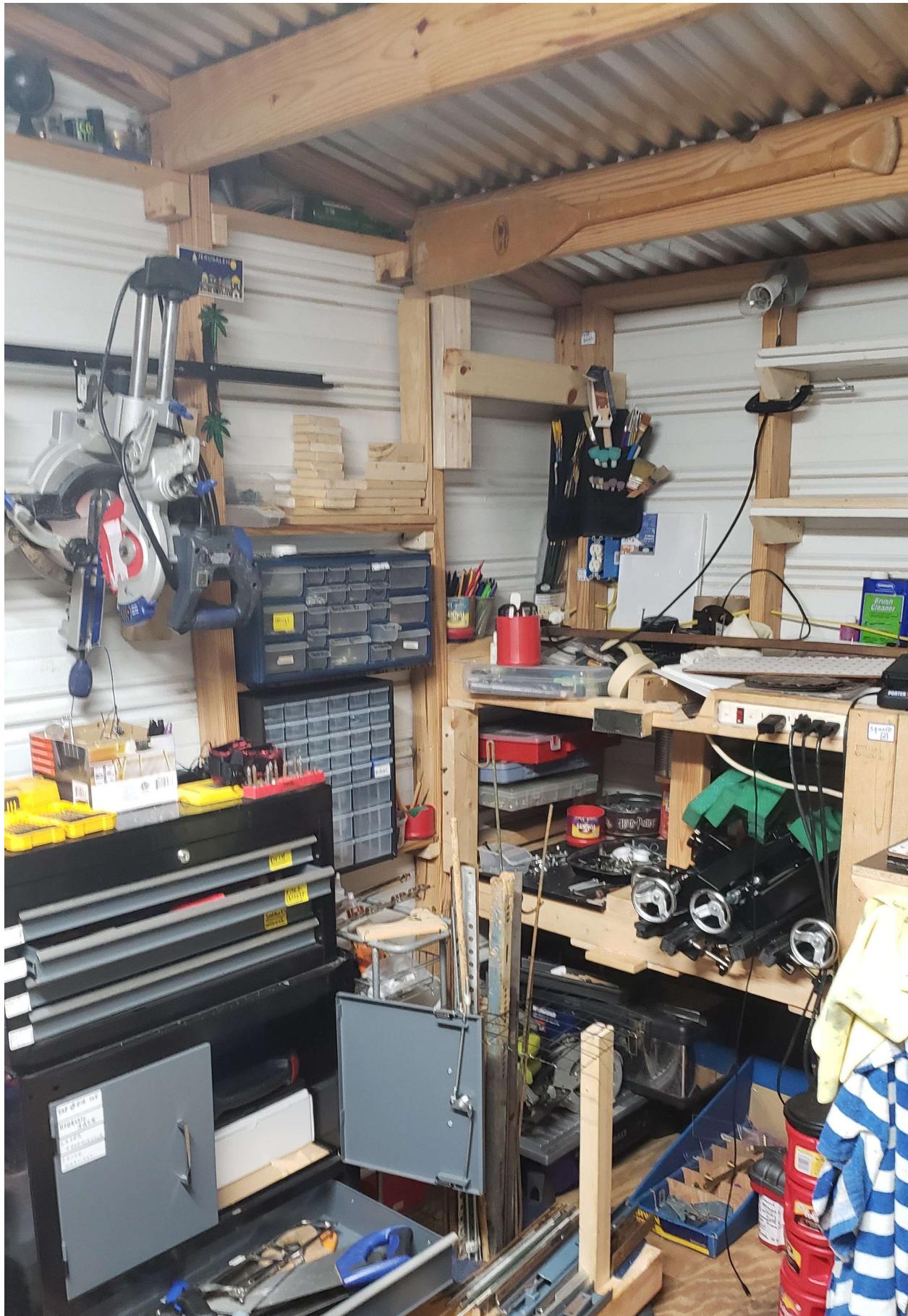
-It is a part of me. I treasure it most. I invest my livelihood into “capabilities”, rather than land, stocks, retirement, or anyone other than myself and my skills.

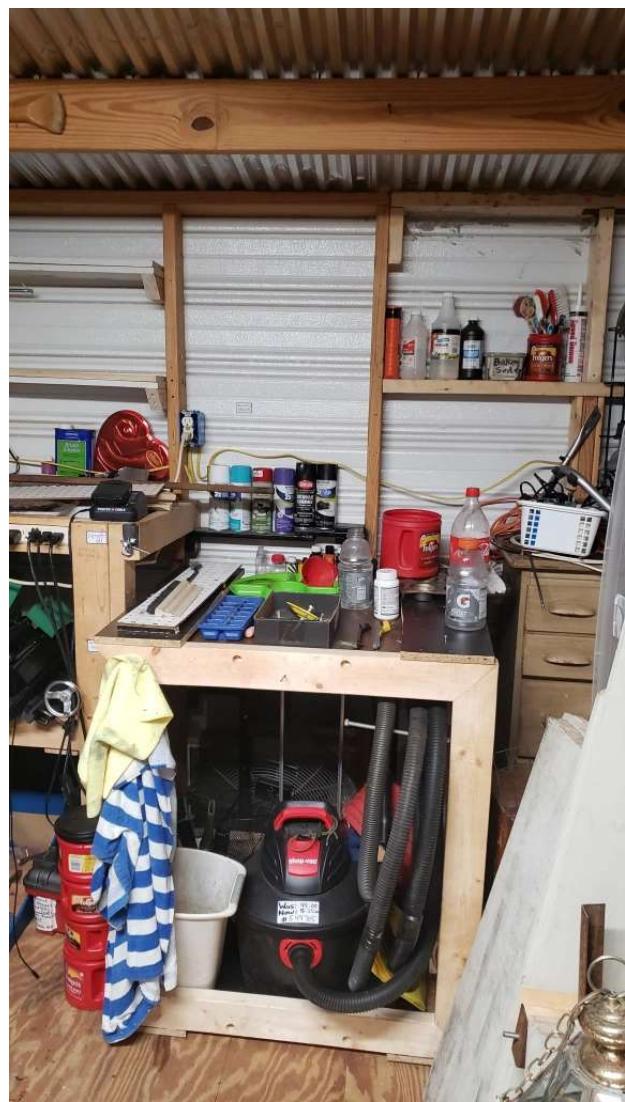
-The more tools and equipment I have, the more I can do for myself and the more service I can fulfill to others. Every operation I can do for myself is something I wont have to rely on someone else for.

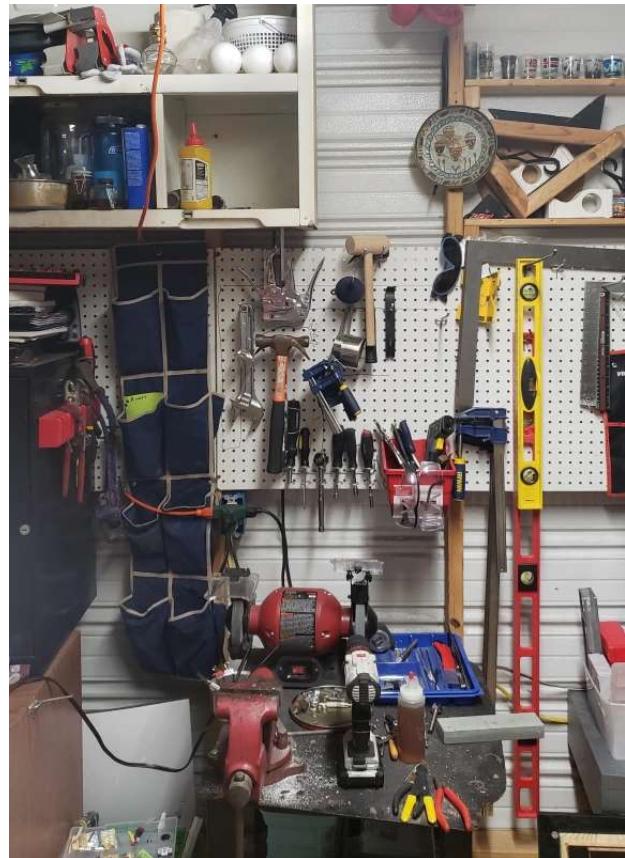
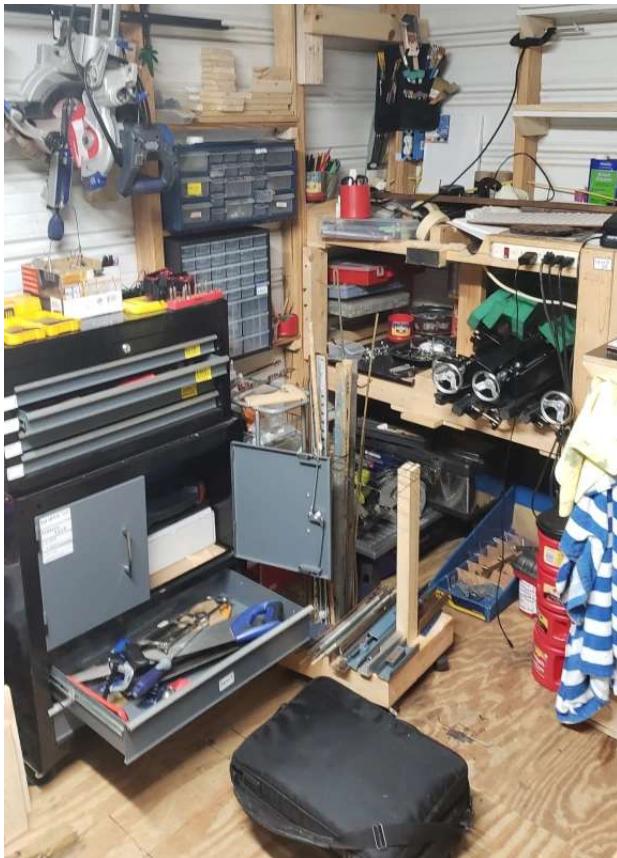
-I like being the arbiter of action. Without tools, equipment, and knowledge: work doesn't get done. It CANT get done. I will stock assets, develop services, create product processes, hire young workers, and teach them/build them up, as an extension of my life.

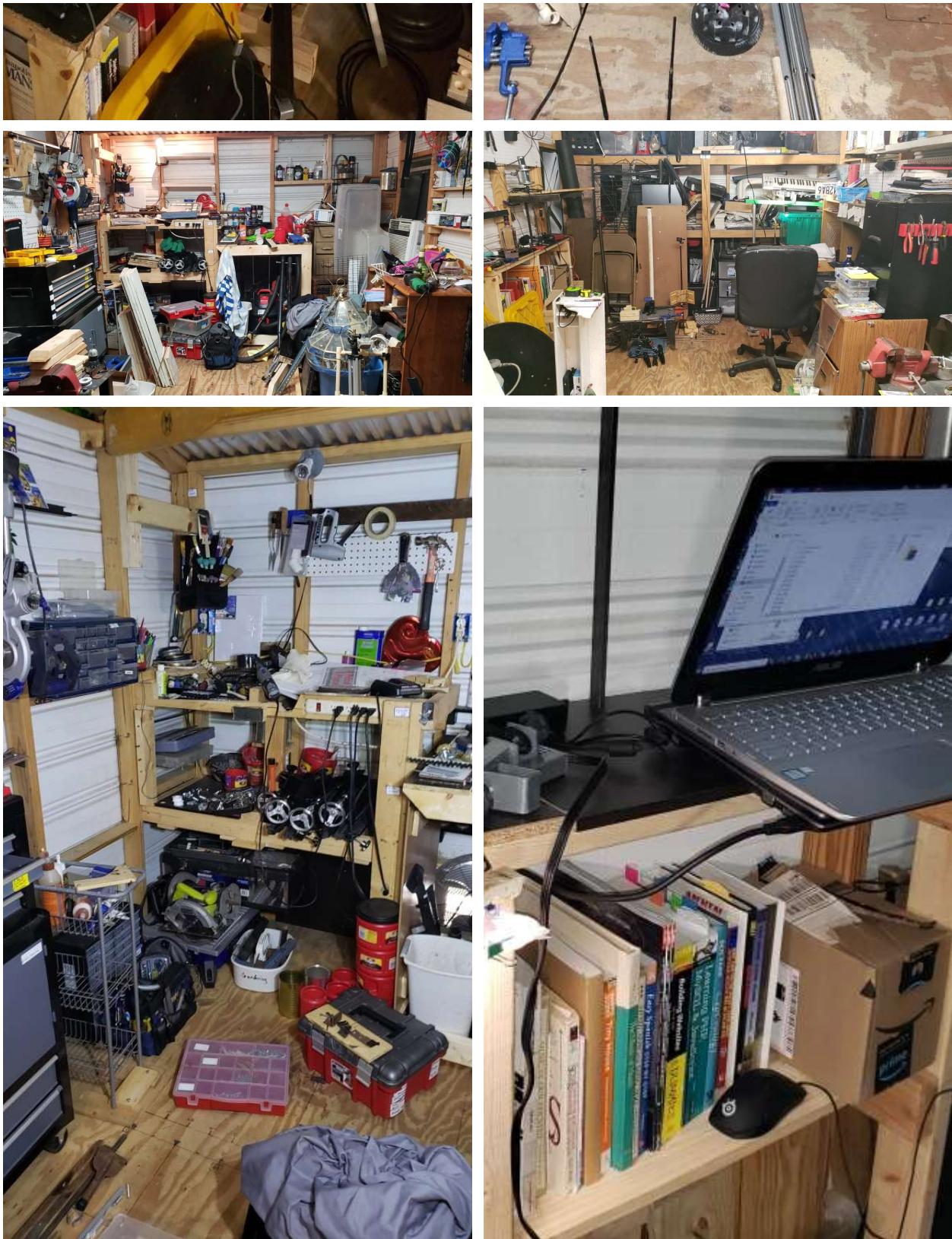
-By seeking to train a person as if you will rely on them in the future, is the best and optimal way. Train them to take your job. When you evolve from a painter to a paint manufacturer; You have created a loyal, skillful, trustworthy disciple, who becomes a valued customer and partaking in a long-term slice of your life. Who you can utilize as an extension of your self; Your past self, your mental knowledge and mental investment; as they do for you as you once did for others. Its a mutually beneficial relationship from every angle you look at it. You both prosper.

-This is my starting block. My beginning Journey and Path taken. The hand I'm betting on.

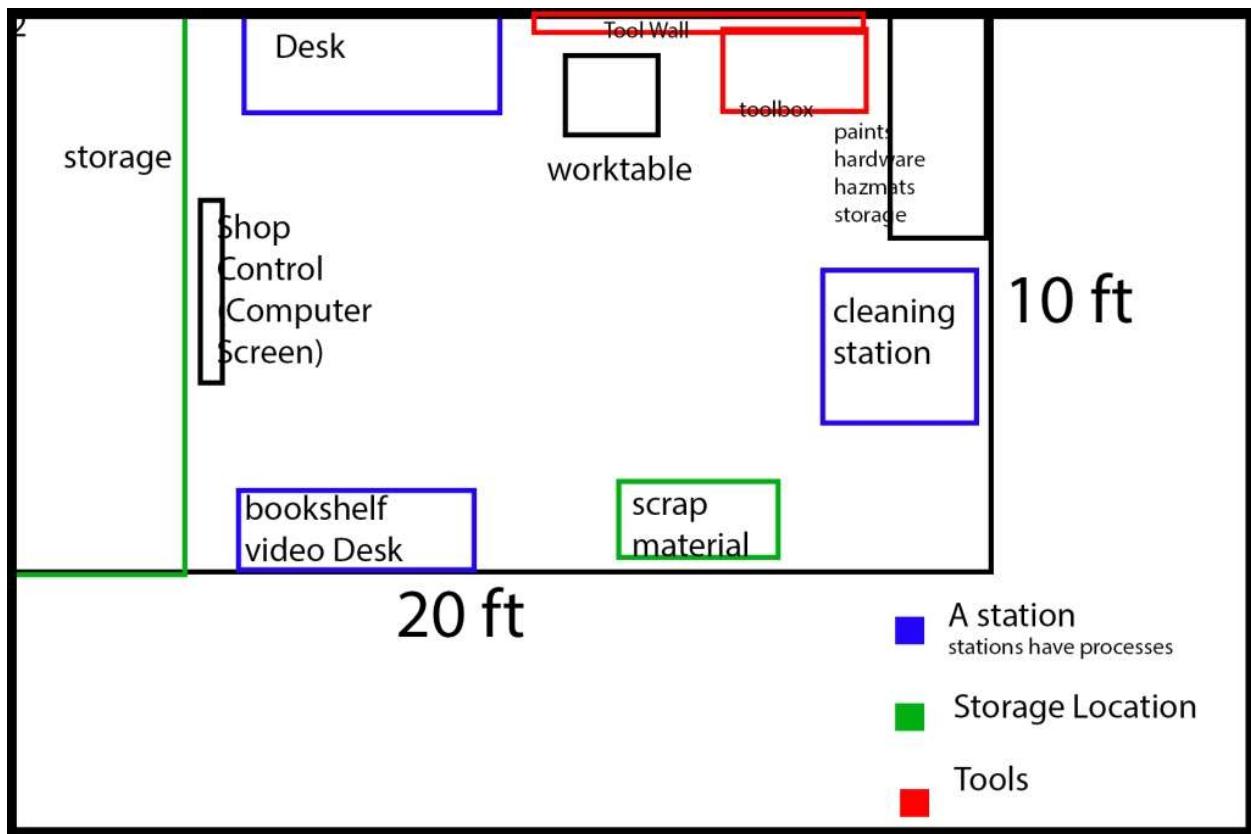








Workshop Layout



My Assetts, Tools, Equipment

Screen Printer ~ \$500

Small Lazer engraver/CNC mill~ \$300

Mitre saw~ \$150

Scan – N – cut ~ \$200

Circular saw~ \$50

Angle Grinder~ \$80

Drill/Driver Combo~ \$150

Oscillating tool~ \$40

3 Dremmels~ \$200

A wet tile saw~ \$250

A router~ \$75

A mortiser~ \$100

A jigsaw~ \$75

Benchtop grinder~ \$50

A toolbox~ \$200

A Heavy duty Work bench~ \$200

The Goal

-To create a Smart-Workshop. An workshop with many ‘internet of things’ functionality, data loggers, Creative flow control, Digitizing Capabilities, etc.

-Expanding the number of people who own these, interface them/connect them, and then pool data and form mutual benefitting relationships between users.

-Create a user-generated-content based system, establish practice standards and benchmarks, establish object market values, increase peer to peer business and interaction,

–Example Uses

For All stations : #A Button or **Control interface at every station** can be used to start **video capture**, select a specific ‘**project**’ and add **voice notes, texts, video captures, pictures**, etc... view/recall references, mappages, action histories. etc.

A single station: **#A Digitization Station** to rapidly input information on an object/ rapidly log it into the system.

A single station: **#A Pressure-pad-outfitted tool storage location**, that when removed from its spot, is relayed to the computer control system, and ‘opens’ that object up for data manipulation inside of the KD system. This can work with the Video system.

^^Say I pick up a saw, and the computer system recognizes that, then tags the video that’s currently being captures with “saw”. Aswell as adding +1 to the saw.counter number (updating the stat that says how many times its been ‘utilized’). Now lets say I misplaced the saw, or forgot where i put it, or its lost in clutter, etc.

I can say out loud “Find me the saw”, and the system will pull up the last previous video snapshot that contains the tag word ‘saw’, and then goes to the point in the video where I ‘set-it-down’ automatically, and displays that small clip on the **MASTER DISPLAY**. I learn in SECONDS, where a specific thing is, in a highly complicated environment, and it happens virtually automatically.

Each station has a dedicated camera, dedicated lighting, and control interface. Motion sensors at each station trigger that stations camera and logs the video/ runs “computer-Vision” code on the video feed to determine what is being worked on, what project the action or object recieving action falls under, etc – which in turns directs the video-feed output to be logged in its corresponding folder. If the feed recognized you use a certain tool, hold a certain material, it logs that information. If you want to know how long you spent holding and spinning your drill total throughout the year, that data is there. because it was logged. This is done with everything, and stats are able to be accumulated, and displayed in a digital format.

-Consumables automatically extracted from the shops inventory system when used.

-tasks being timed automatically and without effort, logged, and compiled into profile data, which can be used to plan projects and actions, project scenarios and display results, compare to a peer, also show proof of competence to others.

-‘learned-over-time-and-experience’ as it pertains to a specific process can be added to the system, aka tricks of the trade. When a tasks involving the skill of that particular ‘trade-item’: The system fetches the trick for Reference, or Displays it onto the master screen, or speaks a reminder.

-The video feed capturing actions and processes aswell as time and utilized tools/materials: Allows for rapid creation of digital content that is in TUTORIAL/HOWTO format. The video is auto-sequenced in real time. Recognized materials and tools are added to the respective lists, the time is calculated and creates a value based on what was gained from that process.

ex. so if it took 45 minutes to obtain 4 panels of sheetmetal from a microwave and they measure 24inx24in each, that's 48x48inches of sheet metal, or 48 sq feet. If sheet metal is most easily obtained from the local lowes, and it cost \$10 for a 24x24in peice + the trip cost in gas + time.... then the buy price of the extracted materials is roughly \$50. Since we extracted the material in 45 minutes, and used 25% of a metal cutting abrasive wheel (\$2) ,

in simple terms: The act of extracting the microwave yeilded \$37.5 for that hour.

Every same action of this nature henceforth is logged, etc.

and for example, lets say I used an angle grinder the first time, but have since purchased a mitre saw outfitted with a larger abrasive wheel. the task the second time around takes 15 minutes, yielding \$50 in 15 mins which is now considered a “\$200-Task”. Data can be utilised from this point in many ways. since the addition of the mitre saw, which cost \$200, just saved me 30 minutes on what is now a \$200-hour-task, then a \$100 net is accounted for as pertaining to the “mitre-saw’s-data”. If I view my mitre saw digitally, it is still a -\$100 investment. If I do the process 2 more times, it now has a proffited value of \$100, meaning it

paid for itself and then some. based on how much time it took the object to go from a loss value to a net positive value, the item is tagged with a “time-to-break” peice of data, which is averaged in with the global users of that item.

When a new player is considering weather to buy a mitre-saw, he can view the data and determine that this object has a ‘3 month average payoff’, and can be calculated in his decision to buy the item.

Digressing back to the microwave, since metal microwaves are now tagged with the value of \$50+ other components; to YOUR account. TO YOU PERSONALLY – your tooling environment, YOUR ability to process it for extra value, your experience in doing so, etc has determined the value of the object to YOU.

Now your system automatically looks for this item, since it is considered an “opportunity-Item”.

Now, when people list microwaves under their ‘for-sale’ on their account interface, your account auto bids or request the exchange for the item. It may not work, and be worthless to someone else.

Traditionally, no one would take the time to list a 25\$ microwave that doesnt work anymore... It's considered JUNK. the Post to do so on an app takes time and effort. With a Workshop-Interface-System or a Digital-Interface, you can simply click on the junk microwave under ‘your assetts’ and label it as ‘to-sell’.

You now have a better chance of finding a buyer, and making small cash, instead of throwing it away. This type of system is promoting more peer-to-peer business relationships and actions. Its encouraging the trade of small and menial items, and personal empowerment for individual People pertaining to control of their livelihood. Its small business for everyone.

Playing the Game, Using the System, Being an Operator – The perks of having and interfacing your smartworkshop, the selling point to others as a business model, and the advantages gained from having a community-contributed model, where the more users that participate, the more the users WHO participate, receive more accurate/beneficial returns.

Each smart shop or ‘user’ has a digital profile/persona, and is able to be compared to other users, and used to form healthy competition, comradery, friendships, and work relations.

It acts as a Facebook profile of your work life. Your digitized brain. You have stats like a RPG account. The data you accumulate advances your skills. Skills unlock rewards and special privilege’s, etc.

(I’m Converting Real-Life actions into a game profile, projecting your Digital Persona in the online domain based off of real world actions) — (Its the game of life, in digital form)

A Square, upon entering, is where you place the item being “added or inputted” to the shop. Its pressure plated. Activation of the plate prompts you to enter

information on the item as well as obtaining automatic info. (it weighs object, captures picture, adds a location tag, accounts for it in the digital “inventory” of workshop. Categorizations would include: Tool, Consumable (hazmat, hardware, tape, etc), scrap/material, Object to be ‘Component-ized’ or broken down and good parts extracts from, etc. actions can happen based on object categorization.

For example, It prompts me to add a tag to the object, I say its to be broken down. It adds to the comprehensive list. My Digital Display has a carousel that randomly displays actions that need to be done, and item breakdowns are always included/open tasks.

When I break down the object, A computer Vision system recognizes the item in my hand by a “snapshot” or bar-code-type-label on the item; and opens that Project Item to start storing information on it. Metrics can be obtained and used for future tasks, planning, etc.

If the item to be broken down is a microwave for instance, when i start doing so:

- the computer starts a timer and times each process and therefore the total breakdown time.

- I tell the system my “components” extracted. Could be White/black sheet metal, Megatron tube, Transformer, button/keypad, etc.

- For each component, information is logged. Weight, Dimensions, Material type, time to obtain, known uses, relative value.

This way when my system is filled with a plethora of data, when I simulate “project-builds”, these components are pulled from. a “project-build-simulation” is a process I use to fabricate unique compound object builds, which determines materials to use based on what materials are had. It projects the tools needed, processes, time of processes, and value contained within. Parameters are customizable to fit function and need.

For Example: A customer orders a chair. Now, he doesn’t care about the quality, brand, etc. He’s a young bachelor and just needs chairs. I simulate a chair build.

Materials labeled with tags that include “pillar”, “long”, “rod”, “metal”, “post”, “flat”, “fabric”, “skin”, are called upon.

I may have 4 2x4s, I may have 6inch pvp pipe, I may have metal angle iron or tubes extracted from previous days, etc. I can choose from these in real-time-digitally and add them to the project simulation. The price added to the total project is completely dynamic and can change depending on a ton of factors.

If I was to choose steel tubes for the legs, the value is calculated into the price on the chair. The best method/standard method for attaching steel rods perpendicularly to flat, weight supported, surfaces is called upon and displayed on the screen. the time it takes to complete and the tools needed is displayed.

Ex. Steel legs to wooden ‘frame’ requires one method, but steel legs attached to a circular metal ring is completely different. I may need to glue, embed, pin, screw, utilize a 3rd party device, etc.

This may require a saw, a drill, hardware, hazmat, etc. Every process chooses, projected, and accomplished subtracts the consumables used, and tracks them in the system, as well as adding its value to the overall cost.

Service and Product Goals:

-Light frames fully customizable and rapid turnaround

-Screen printing for shirts, pants, posters, skateboard, etc (merchandising and remaining customizable)

-Smart-shop Installations

-A Youtube DIY/Creation Show Series

-Workshop multi-camera live stream capabilities for interactive creation of things.

-Camera/Videography gear/production. for example: crane tables, universal mounting systems, video lights,

-LED SIGNAGE – aswell as other types of signage and promotional product creation

-Smart furniture- Hidden compartments, charge ports, interfaced into the whole system and containing control/input functionality

** A bed with

phone ports,

floor lighting, (controllable led lighting)

buttons to turn of lights/control house,

button for voice notes,

a sliding table that can be positioned at the feet or up close to the headrest (containing drink holder, control interface, t.v or laptop mount,

phone placement/charge dock next to head for alarms, (wireless charging)

boom and articulating arm that holds phone video strong magnet and can be easily positioned without interfering with phone.

blanket clipping system at the bottom

*** a Bedside table with a raising top, that happens via button through pneumatics, motor control, or level actuation. Can contain safe with sensor/input activation code. can contain a ‘quick-access’ feature, while also protecting that which is quickly accessable.

- Im thinking of a quick access gun, IN the bedside table, that is hidden and inaccessible by a small child, hidden from guests or anyone without knowledge of its existence really.

****Smart desk containing advanced office functionality.

- imbedded camera for document snapshots
- button for voice notes, video notes, etc.
- Pen/pencil Holders
- Pop-up screen mounts, keyboard containers, etc. – to quickly hide/recess the desk and have the whole surface available
- built in speakers and microphone
- phone doc charger

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