

DEPENDING ON WHEN YOU READ THIS. ITS EITHER AN EARLY SEEDLING OF A ROUGH DRAFT OR A FULLY FLEDGED RESEARCH ARTICLE REFERENCED BY SUPER NERDS, OR PRESENTED IN FRONT OF AUDIENCES HELPED INTO PAYING FOR MY HOTEL ACCOMMODATIONS. REGARDLESS THANK YOU FOR CLICKING. LIKE THE INDUSTRY IT'S ALWAYS EVOLVING NO DIDDY.

It's going to be a rough outline of the presentation and findings that were conducted during the whole experimental phase of my AI integration into the physical world. The following is a quick excerpt of the results, methods and conclusions that were used to derive from the experimental learning of these methods. **Okay so continuing on to the rough outline, the journey started when ChatGPT came out and a lonely and uneducated programmer living on a farm was interested in the subject of data science after spending lots of time with fellow nerds in the financial sector.** Previous experience with AI integration was the first presentation of a Mario game autoplay bot that learned from the concurrent errors of its trials and errors through natural machine learning concluded networks using level progression as its reward mechanism.

The journey continued by watching a video game make repetitive deaths and mistakes to eventually learning how to play the game just through its own Integrations. Fast forward to my friends and I learning how to incorporate this into the stock market in a feeble attempt to out game the banking institutions. This proved to be very futile as my friends decided to create a hedge fund using their algorithm to trade Bitcoin concurrently with multiple hedges on different platforms: forex, stocks and cryptocurrency for variability. They used many different iterations, languages and methods from actual programmers who knew what they were doing (spoiler alert, institutional investors won). This was a prelude to a long chain of Innovation as the actual data science side of the world was catching up to the predictive and useful applications of these new methods of training as well as self training & self-correcting program that only used inputs and data to make predictions instead of hard coding a chain of [if or else] loops. While this seemed to be groundbreaking it was very rudimentary and very experimental as Machine Vision was still in its basic forms.

People were still trying to figure out how to convert ones and zeros into actual visuals and as I remember it was basically trying to rewrite a human brain and how to use the underlying mechanisms of the human mind to create an image. Which proved to be a challenge as some of the top data scientists couldn't figure out how to physically make an object detectable even though it's just simple pixels and ones and zeros. A lot of science had to go into it to create data matrices and this proved to be a challenge for beginners and the barrier to entry was way too high for non-technical Founders and Innovators.

Fast forward to today, AI has been readily available for researchers for many years and is now finally reaching public hands through the widespread use of easy to use language interpreters and models such as Chatgpt and Poe. This meant that everything was a lot more difficult as all the low hanging fruits were already picked and all the notable AI startups have already latched on to the easy trends. However a big question posed is how do we integrate AI into our everyday life and what even is a conceptual interpretation of AI. To discuss this further we had

to examine the actual purpose of this AI Revolution, we already had software existing in our ecosystems where software conglomerates cornered their markets through ruthless mercantilism. Where software Innovation was stymied to extract maximum value for their shareholders and stockholders, notable examples of this Innovation and the restrictive nature of software development is AutoCAD Fusion 360. Fusion 360 was at first publicly available with basic features and AI generated iteration analysis and generation. Then that was restricted once enough popularity and attraction was gained to create a token based pay to play platform where if you want to access the more advanced software features you would have to pay for computer time. This is the first instance I noticed of the pay to play model for or tokenization of the AI and or software integration to make people's life "easier". On one hand this increased productivity justified the cost of the tokens and the actual pay to play nature while on the other hand this stymied Innovation as it just became another software gimmick or micro transaction. While video gamers are used to microtransaction, a business owner might not be so readily open or on board to generate quotes and consumer products based on compute uncertainty and inaccurate response generation so the problem became how does one integrate more advanced software features that have unknown or undefined expectations and outcome, while providing a consistent quality of service or goods to the consumer. This sparked a very interesting philosophical interpretation of trade and value add as some companies focused on AI multitasking to become a generalist tool while some competitors specialized in "Super niches". How does modern AI business gain a competitive advantage over their competitors while also maintaining a constant Leading Edge while maintaining non hallucinated outputs. This Leading Edge was proven to be non-existent as we have now seen under the latest AI generative models and inference Networks that a new model can be trained on even more obscure data every couple of months and it out competes its past model by utilizing more data sets and more data points to create a more robust and more intricate answers. While we have reached the internal limits of data knowledge from a purely scientific and record keeping point of view, we have only started to experiment with the integration of the physical and the AI in the year of 2025. On a journey to discover how to properly Implement and gain a Competitive Edge over my competitors in an industry where AI is not prominent yet, I decided to incorporate AI in a rudimentary form remotely on a farm. The goal was to see the limits of self-learning and self-pacing in the face of a rapidly engaging and evolving ecosystem, though my first ideas were to see the limits of the current algorithms and commonly found tools and try to create a business from these concepts.

The beginning stages of experimentations heavily relied on machine learning vision and text analysis to determine some niches that have not yet been exploited. For example, determining if something is an object or not to determine if there is a cancer cell inside a human tissue were some of the first examples I have experimented with using proprietary Google platforms and various integrations. At the beginning stages of this for a non-technical non-programmer at the time proved to be too difficult to integrate as there were complications linking the methods and the inputs to output interface, which was not quite there yet. One would have to completely devote themselves to a particular ecosystem notably Amazon AWS or Google's silly buckets, the time to Commitment ratio was not worth it as a marketable or launchable product was way too difficult to produce for a non-technical creator or producer.

So the question became which avenue can a person incorporate AI without simply becoming a software based entity with AI functionality. The first application that I approached was trying to incorporate AI to create visually stimulating or pleasing designs that created an unequal effort to reward in contrast to the hand artist with talent and excess time expenditure. While on the surface this may seem like a revenue generating idea compatible with stimulating the economy, at the end of the day it was simply an exercise of artistic endeavor as the results of creating a business using AI generated images was very Niche and not sustainable in the long run. A main reason was more and more competitors enter the field and the value of the individual's work and labor rapidly diminished as evidenced by the increase rate of suicides on pinterest and tumbler.

The approach that I took to determine or guess what the future would hold was how to use these softwares at local instances using open source individual models to generate long term value. The primary assumption was that other implementations currently found on the market would be a Fusion 360 spiritual successor in the beginning stages of its launch; very buggy and problematic and as time went on the updates would make it easier and more intuitive to use. The secondary assumption of usability would be a point where the AI itself would be able to generate models and create variations of requirements based on very little knowledge background. So the focus turned to trying to incorporate the AI to actually generate a more physical and lasting impact.

A year on a farm with self programming turned out to be quite a limiting situation due to: AI leaking into the web by generating fake text responses and other misdirections on the internet. To add to this the actual noise from real human interaction, the AI community proved to be a deadly Echo chamber of non-productivity as every idea that people generate was based off of the limitations of the newest and greatest models that were presented online. A general convergence was created of all the ideas that were created, they were very similar in nature as they relied on technical dominance of the imaginary world of electrical design and agnostic programming. What I mean by this is that these were tools used by programmers but programmers themselves were not able to fully implement these tools in a non-programming way. Most of the implementations that I've found were people using this to program or to create a better version of the tool that already exists and simply slapping on the label of AI on top.

Only recently did people start achieving some definite results of using AI to create and to teach the users to create better programs. For example debugging and basic code outlines can now be fully done with chat gpt completely ignoring years of hard and pain. The value of the Theory and labor required to master the craft of how to code a program tanked, as evidenced by an increase in suicide rates of programmers in FAANG companies. So if we no longer view the Practical applications of programming as a complete necessity to innovate, what is the factor that is going to be leading the AI Revolution.

Even at this point we have achieved a very narrow mindset of where the AI can go at this point because even right now there is a very reachable limit of the depth that AI can generate due to exponential increase in power demand for depth. So for example even if we get marginal

improvements in data sets and models over the next couple of generations we are not going to be able to innovate any more than we currently are unless we start diving into a metaphysical world where we have no idea what's going to happen there. Similar to how quantum computers currently function, so if we focus on the actual physical implementation of AI we are very limited with what we can actually expect from in terms of innovation and Rapid progression.

My ideas for **how to properly Implement AI** resulted in me **taking the first step to going to a technical trade school for HVAC which is a heating ventilation air conditioning trade. A highly in demand trade due to the fact that this is an industry where AI research is concentrated.** Due to the fact AI is going to become completely dominant as the primary energy consumer, as evidenced by the increased suicide rate of door to door solar salesmen. The assumption for the AI revolution is AI completely dominating the intellectual sphere and segregating the people to physical labor and material processing. An immediate directive of the AI will logically be removing people from positions of power and authority and directing them to more meaningful and physical tasks until the more efficient alternatives actually get materialized and automate the human aspect.

So in my point of view the HVAC industry is the last industry to get reduced due to labor deficits because it is going to be vital for the high output superHeat generated from all the servers and it's going to be the most crucial aspect of Energy savings and fuel management. As humans are going to be compared on an intellectual value add vs impact basis compared to an AI or computer algorithm, so at this stage of society HVAC was the industry that will yield strategic certainty. HVAC is also traditionally a very technical trade with a lot of hand tools and dexterity limitations too costly for robot integration (for now). Theory and trade secrets/knowledge that is required in order to maintain and operate basic features and instruments in the industry is the main barrier to entry for humans.

I took the mindset of an amateur programmer and prospective trade school apprentice(I had 10 carpentry experience under the table with engineering technologist credentials and realtor license) and took every opportunity to dissect and examine how to fully incorporate not just myself but the future Generations into this new AI landscape. So from a technical point of view how can a person who is not very well adjusted to programming languages and the new way of the world, how can they incorporate AI into their life over a 6-month span (a typical probationary period).

First off we're going to be outlining personal development and trajectory of the Mind before we integrate the methods and results used to achieve such success. Mimicking the development of a human adult student was the real life example that I superimposed onto the development of a conscious AI. Figuring out how to make the mind more capable of understanding and managing all the new data and rapidly evolving ecosystem was crucial. The world is going to be going through growing pains (brain too small) required for dealing with an [AI + society] from my point of view.

Being blessed to be a part of a top notch technical trades academy, the first observation that I discovered severely limiting integration were people who did not take care of their mind or body. What were the core competencies that are required for a human interaction with the AI? Starting off in my program were 18 students from various backgrounds and disciplines with various views on life and outlooks with experience that ranges from amateur to expert. Luckily the HVAC Foundations is one of the most premier programs the school has to offer providing half the day in lectures and the other half in the laboratory and gaining skills and knowledge based on what we learned in class the day before. However this class schedule is not going to be enough and extracurricular activities had to be assigned in order to keep the human mind busy and expanding on the aspects of what it takes to be human. Therefore clubs and activities were chosen to represent a varied simulation of what the AI would be able to do on its own without the use of humans. So the club that was chosen for direct involvement in the study was the Student Union which is a Caucus Representation of various clubs and activities that people would govern and participate in order to help the institutional system prosper. The student caucus was a school serving appendage that directed the members energy to better serve with the teachers directly and student faculty to make sure that the students themselves were enjoying their time at the school. Similar to how a self-guiding program would take time to observe its own progress and results in its own tools and update or integrate them as needed or as updates dictate.

Additionally the day was also filled with physical activity training for the physical body in order to make sure that the mind would be able to handle the new data and rapidly changing classroom settings with various subcomponents IE students and how they interact with the human body subject. The interesting part about this whole experiment was the completely self-driven and self-focused voyage as the mindset. The gladiator warrior mindset in trying this experiment was to beat typical norms and societal standards by integrating AI into my life in order to gain a Competitive Edge. This brutal approach to this task in the gladiator area that I was choosing to participate mimicked the pressures and life journey faced by programmers and AI mentor. So far my life journey led me to be a carpenter, a realtor and engineer assistant and various other small-time jobs. So my physical integration with the world is quite impactful and grounded in physical accomplishments as I did not spend much time in the academic side of the world. I had experienced dealing with government, peoples and materials / tools and processes so I felt completely prepared to incorporate this new portion of the life with AI integration and basic programming.

I just lacked the skills at the time so my theory was if I can make an impact as a person by myself how can I also use it to make a similar impact on the world. My whole persona if you met me was efficiency first. As this is what the AI would be strong at as it would have multiple data sets to determine the best outcome and path forward so that time would not be wasted. So the basic functions were quite simple and First Steps first we're going to be mirroring the same growth that a person would be taking and we're going to be hyper imposing that onto what an AI algorithm will be going through as this study assumes that the development path of an AI would be similar to the development of a person or a small child hence we are going to be following the same processes and mirroring our personal growth and imposing that on to the AI potential

so first things first we developed a routine to ensure our physical body can keep up with everything by committing a small portion of the day to physical exercise mostly stretching and Cardio after the cardio in the morning we will then continue on to the school portion which is where we would learn from an increasing at least simple mathematical approach just to get the brain working faster and then once the first month was finished we were then going to start learning new Concepts step by step and integrating that into our complete life that's the goal of an HVAC technician that would be mostly dealing with the heating and cooling side of the world this is a way more complex topic than once originally proposed because it is very science heavy topic with practical applications more than the theoretical programming curriculum so after the first introductory month getting to know all the students I eat other sub users and determining strengths and weaknesses of each user the actual learning was about to commence so my point reference for this whole experiment was how can I use AI to integrate into this very specific Niche and Target demographic so in order to first beer we must have to be a follower so the first half of the course was spent just observing and not making any meaningful impacts until we get to a stage where we are physically dealing with our end results which in this case would be the heating and inflation systems furnace is actually pumps so at the beginning stages after we've completed the mathematical portions will be started getting familiar with each individual components of the system not not a generalized approach overall from the beginning we handle things subject by subject and as our knowledge gaps increase the difficulty of the problem sets also increased at this point most of the time developmentally was spent projecting a An assumption of the value that each person breaks to the table. basically each person had their own unique strengths and weaknesses similar to how each algorithm or motor base had strengths and weaknesses for example some models could interact with images better While others can interpret text more this is all based on the learning data set that each individual person brought to the table before the program started each experience and characteristic was also predefined before the classes started as nobody was entering this as a blank slate at this point I have presented myself as a person who was interested in creating startups and businesses and that right away attracted people and drove people away from me who did not like or participate in the same mindset after concluding that there was going to be not enough interaction in this particular sales the ability to communicate outside of this very niche specialized class was required in order to get more broad perspective of how the world actually worked which is something that the AI would also want to do once it has completed all of it training on particular data set more data will be required in order to achieve more meaningful assault or a depth and computation so the first step to engaging and interacting with the world outside of a form was taking place in order to gain a better understanding of how the university functions similar to how a system would operate in a software setting so a hackathon was participated in which included a lot of Science and data science users and students and the first integration of how an AI would actually be used was visually presented at the University the fortunate topic is that a lot of the people participating in this event or actual users of the software itself and a lot of ideas that represents that were not the most unique as a lot of funerals shared that the idea would actually be stolen similar to how a model would not be released into this fully finalized and ready for lunch and leaks prevented. At this point in the experience it was concluded that it was very difficult to even create a completed functioning and I start up over a weekend with non-friendly or non no Associates as there was not a lot of trust between the

different self components of how to get a job done even with the mediation of an expert and a people who put on the event there was still very much affection between the parties to generate an idea and a proposal and a pitch to The audience there was not a lot of similarities between the different groups competing and each group had their own unique take on how to incorporate AI to win the competition. some groups decided to use AI to process data incorporated into security systems and corporate into visual learning matrices and a lot of the implementations were non-physical and nature as they were mostly programming based to remove the human element from The Observer rule this results in a Mary different outcomes with a lot of products being non-physical in nature and more of an extra feature or a software that could already be implemented without anything that's particularly AI heavy some groups decided to use some more complicated approach of a past project that they've been working on the past couple of years to finally showcase her research stage however this proved to be very similar to how the current AI generate models work where the most common ideas I eat low depth of thought or processing or very simple and entry while the more complicated and in depth ideas require a lot more compute power and time and work generally fail if not for the extra backend research that was done on the programs So after this whole learning event the hackathon proved to be a complete success as this changed the idea of what is possible and what is currently the current framework and thought of Mind of researchers and students regarding Ai and its uses not a single project Incorporated a physical App application of the AI and it feels very obvious that a lot of the computer programmers and data science analyst had absolutely no connection to the real world or the usefulness of their own minds this generated a more tries to try to integrate AI more meaningfully into the actual real world and create physical products that would at some point materialize so the first couple of steps were taken to start getting integrated with different components of the University notably the Makerspace the Student Union and various clubs. the hardest part about generating AI products and AI Integrations Marketplace is the complete total lack of leadership that is presented by the AIS the most common ideas of the AI can generate for creativity are also going to be the most common ones that the most other people receive so by using AI to substitute leadership and creativity you end up with the situation where you get flooded with lowest common denominators and those fruit and the ideas of actual value and depth could not be processed as the depth of mind and complexity was Way Beyond what is currently capable on the public end of AI chatbossing systems so for this point a lot of the time spent for the remainder of the program was dealing with leadership and self motivation and problem solving in order to determine which aspects the eye can actually physically help student and business owner to generate a more unique and undeniable advantage so for this point first experiment was created to see the likelihood of its success and the ability to create physical products sorry for saying that I was generated was the technical group connector which was a byproduct of back and forth discussions with the AI where a person would integrate the chat boss responses to direct itself towards a more meaningful and impactful approach using as little efficiency as possible to generate multiple ideas and ways to create a product that would have some sort of use the approach was not taken as a starting point as the goal but instead of backwards approach has taken with the goal was an object that didn't take too much time to make or process or manufacture using the existing resources allocated through the limited program so for example the same way that you were using the limitations of the model and is compute power and depth and GPU processing to generate a very specific output and if the

output is not possible then the scope or object was redefined in order to match the current resources available on that. so the first product that was made it was a prototype of fixing a problem the idea was that in order to maximize the value of a student on campus you would have to maximize the value of a human life on campus therefore what would be the most impactful situation and that situation will be creating a product that would also showcase the school's strengths in a time where the school is looking for a spot to go and brag about so product was made So proud of me to integrate the class curriculum of a field of area that I noticed the students are currently weakened while also trying to incorporate corporate sponsorship and government affiliation and a technical safety aspect of it while also trying to train the skills of the students themselves for example in terms of AI this would be the AI training itself and create a product that would help with other self components or his competitors become better at your tasks so that for the class average would go up and less damage would cause on sites if the users ever interact with each other so the product and discussion was made in order to create a small Gadget that would train the students to become more knowledgeable in the art of real time while those increasing their dexterity in order to incorporate this into a more meaningful project the students that I was started interacting with different aspects of the school Academia and University setting as a whole for example the school was blessed to have a dedicated Department called the business school generator where they would actually help you try to get an idea and they provide lectures and functions that would help a student become more of a CEO and product innovator instead of just a consumer also this was similar to the hackathon but this is more of a class seminar after school for free so basically what was done even if you had a product how do you generate that product how would you present it and how would you Market it so try to incorporate the schools existing resources and Makerspace was found to fulfill the 3D printing side of it which was the song Rabbit Hole of learning how to integrate and use the existing assets and students to actually create a product the actual Act of making the product itself involved heavy use of AI as this was a very difficult subject because you would have to model the 3D print using your own knowledge however I was not fortunate enough to know the blender software that the current School uses so I have to use AI to help guide myself along using text of what I want it done and using that to generate product after a couple of hours this product was actually generated in a first prototype was made after complying with the schools make of space requirements or how to make a project so the project was done and now the hard part was actually how can this become a useful tool in an effort to help the school and myself. space so basically the product was made was and now the hard part was how to show this and make sure it integrates the world so a rough website was generated in order to make a proposal on this new product that may or may not have any impact on the real world so integration with it Tru business generator was made and a rough website was launched showcasing the personal merits of the student making the product as well as a technical research leading to the generation of this product this product is made in part with the leadership discussion between the chat Bots and the user in order to streamline and refine the purpose to make sure that this would be accessible to the teachers in fact faculties that would then create a better impact to the school generator so basic white paper preview was made in order to make the technical rope connector knitter Snitcher nigger okay so then the product was generated and a preview was made next was figuring out how to incorporate this into overall Grandeur scheme and the idea was that this product itself was completely useless

as the actual value presented was very limited in its nature and the opportunities that this product will bring was nothing more than a learning curve however this is a very first example of integrating AI in a public setting not in a form setting itself. so the research continues and different aspects of how to actually integrate the product into a usable product was experimented with as the school and continued fast forward a couple of weeks as the student was integrating himself more into the academic side of the world and attending events most of the Lord will be a philosophical where ethics were completely disgust and AI was a main subject point of discussion the biggest issues at the ethics will presented were the limitations between the decision of the governing body and a human and where the line would be between the privacy and responsibility of which party for example this brought a lot of heavy leadership questions but I want the role of an AI would actually be like what the AI for example if it ever gained enough power within the governance of other people for example did it have the right to intraven and interact with humans in a way that the human is not want or readily expect and this was a very difficult discussion what is the base learning factor of what is acceptable between the interaction of the user in the interface not at this point the human brain and mind of the user was becoming more usable and more pliable list to be able to apprehend more complex subjects and more diverse thinking similar to how the trade AI model would be able to comprehend more complex subjects some more data it occurred into a status and refined and cleaned its own data sets for example as yeah we're getting more knowledge you'll be able to predict the more correct behaviors and the more data it would receive the more systemic errors and anomalies would be discarded from the data set creating cleaner data set example answer. at this point wants the confidence of the direction of the air was made thanks to a lot of leadership training through the philosophy Club as well as a different various aspects of the University a more concluded and more refined approach to the integration of AI into the HVAC industry was eventually started to get formed for example after our first-hand experience the school provided us with a ride along function which was basically incorporating the existing Professionals in the industry into the students lives to actually see how the industry works this created a way more complete picture as we were no longer just students learning basic fundamentals but actually able to manipulate incorporate what we learned into the actual real world using fundamentals but more relying on problem solving at memory recall to determine the problem