
Idea Repository

J. Jason Bell

March 24, 2017

1 BUSINESS IDEAS

Mostly business ideas, but also just nutty ones.

1. **Pay to Post** Like Product Hunt or Reddit but ranking is driven solely by how much you paid.
2. **Better Pictures** Frames are annoying, heavy, expensive, hard to hang. Maybe vinyl stickers with art? Maybe flat, sticky prints plus a marketplace for art/artists. The Value Chain approach to innovation could probably yield a lot of good ideas here.
3. **Sabbaticals for Non-Academics** The problem to solve is that people can't take vacations to work on side projects. If you could allow people do try side-projects without risking their jobs, it'd be valuable.
4. **New Sleeper Bed** Hide-a-bed style couches are terrible. What if the arms just had hinges so you slept on the couch but it works for tall people. Also to decrease discomfort where the cushions meet, you could have a pull-out sheet (maybe on a roller).
5. **Self-Leveling Picture Hanger** I imagine a swiveling mount for a picture so gravity automatically makes the picture level as long as you mount it right in the middle.
6. **Part Time Startup** A dev shop that solves the problem of having to go all in. Customers are people who want to start startups. They take less risk, for less reward. The dev shop would do everything for you except for what you want to do. You would sign up for a partnership with a pre-specified plan involving equity and who contributes which pieces. The tagline: "validate and prototype your idea *before* quitting your job."
7. **Basics Subscriptions** Sheets, toothbrush, toothpaste, shampoo, toilet paper, etc. All the stuff you buy regularly, delivered on schedule. Maybe you can just do your own front-end and send the stuff with Amazon to test the idea.

8. **Good Shoes** Leather upper, shaped like Van's, black on black. Wear with a suit or jeans. Price like Common Projects, maybe.
9. **Bundled App Subscriptions** Like cable but for app subscriptions. You could, say, bundle Hulu, Netflix, and Amazon Prime for the ultimate media bundle. Or you could bundle MailChimp, Heap, and HootSuite for a marketing bundle. The platform would offer discounts according to bundle size.
10. **Best of Crowdfunding Store** A store, online, that sells the best of Kickstarter and Indiegogo after they succeed and the manufacturing process is worked out. The goal is to pool communities that the projects worked very hard to get. Then once you launch on crowdsourcing, you graduate to this store.
11. **Paid Email** The sender assigns an importance value to an email in monetary units. If the reader opens the email, he or she gets paid to do so. The sender gets the value of attention.
12. **Amazon for Services** You are a car mechanic, don't have resources to setup your own website. Instead, you sign up for a page on a central website (say we call it Servason). Servason is just like Amazon except in place of products it has services. You can pay for the service through the mechanic's page on Servason. You can see reviews (so this would make Yelp obsolete if adopted at scale), you can track your order history, sign up for Servason prime that affords membership benefits across many service providers. Servason can provide point-of-sale equipment to Services signed up on the site.
13. **Decentralized Workers** Massive structures, like coral reefs, can be built by naturally interacting, decentralized agents. This is one major point that actually led Darwin to theorize on evolution, and is rather related. Emergent phenomenon. Agent-based modeling is connected as well. Imagine, for example, you have a group of tiny robots, and each is given some rule about distance to nearest robot and color. Then, they paint a car. In 3D printing, you can do the evolution part in software and create it in plastic, but what if you had the materials themselves do the evolutionary part in some way? So the bots organize themselves randomly at first and then update according to a goal (the goal could be central in the sense that each bot would know the objective function value, but each bot would determine what to do). It may be possible to transfer evolutionary algorithms to 3D, physical optimization spaces using bots like this. Perhaps this is not as elegant as doing it all in software, but I suspect there will be some important niche for this approach.
14. **Sewer Bots** Basically iRobot Roomba but for fixing sewer pipes (or other infrastructure) instead of cleaning floors.
15. **Google Autofill for Everything** Your computer watches what you do and then automates the boring stuff.
16. **Pharmacy Vending Machine** Probably exists but it's a great idea.

17. **Roomba for Lawns** You'd have to train the robot once to know the perimeter of the yard (or maybe place beacons). It could mow during the night or when you're away or something.
18. **Better Campers** I haven't looked, but there is probably room for an ultra high-end camper for trucks or SUVs.
19. **Ultra Minimal Hotel** Each room is a shipping crate with basically a bed and shower. Toilets would be shared between 2-4 units and sealed in a special way so entry is only allowed from one direction at a time.
20. **Optimal Brand Offerings for Retailers** If you could treat brands as evolving assets, and if the market isn't perfectly efficient, you may be able to start offering brands that you predict will grow. You'd have to have a retail operation that allows lots of flexibility. If you could do it, you might be able to get a reputation as a curator of things to come.
21. **Analog/Digital Notebook** It's paper, so it feels like writing on paper. As you write, the notes digitize themselves, and then the ink disappears after a while (maybe on command?). So you have a single notebook forever, and all the benefits of digitization. Kind of cool. There are lots of products that would be awesome if you could combine analog interfaces with digital storage and flexibility.
22. **Beta Crowd** You sign up a bunch of people who use a product and then predict whether it will fail or not. Check success rate.
23. **Passive Conjoint** I couldn't figure out a better term, but the idea is that you could have a website collect conjoint data by modifying prices, etc. Or by watching ebay postings or something like that. The idea is to use existing methods to passively collect conjoint data in some way. There has to be a way. Customization? Not sure.
24. **Product Vacuums** Try to define metrics for where things have a lot of added value. Could you find a metric that measures how intensely design has been applied in a market? For example: fashion, yes. Dental floss, not so much. Maybe it's hard with floss, so you'd have to come up with a difficulty metric too if possible. This seems hard, but something to think about.
25. **New Education Delivery Systems** Startups which improve MOOC retention rates have a good chance of profiting. Startups which improve the communications technology have a good chance too. Maybe you have lectures that are live but broadcast them to buildings? This is much like the Yale class I took on game theory, except I didn't get credit so I dropped off.

Another idea is targeted skill-based mini-classes. Like, you need to learn to a very specific technical skill, so you pay an engineer to teach you (it's got to be big money to make it worth his while.) The basic problem to be solved is that some people are trying to get a degree, and others are trying to learn a skill. Different approaches are necessary for the two groups. The ones who need a skill don't want to take an entire course. YouTube

partially solves this problem, but there is a long way to go. I'll bet most specialized skills are not worth sharing on YouTube.

You could have people trade their skills into the network in return for the right to view other courses. I get credits for people watching my video. If you created a market place for 1-on-1 skills sharing you might have it made. It's a platform and people will extract the best value from it.

You could also structure it like a "knowledge brokerage." We setup course plans for people who want to achieve some certain thing. Maybe a coursera here, an edX there, an online certification, some on-the-job training and boom you have what you need. You'd need to have relationships with businesses, but maybe businesses can get a cut from providing training. (Seriously, some businesses ought to be accredited.)

26. **MTurk Conjoint + TRIZ** You can run conjoint on MTurk. If you could automate the process, you might be able to close the loop in automating innovation. TRIZ trends or Patent mining to generate ideas, MTurk to evaluate them.
27. **Urine = Fertilizer?** You pee in a hydroponics system. Saves water, grows plants. Bam.
28. **Meta, Micro/Macro Gaming.** You play the villain in Zelda against another human who is playing as Link. Harder, more realistic battles for Link, with tons of replay value.
29. **Color Changing Conductive Fabric** Buy shoes and download color palettes for a dollar.
30. **Idea Curation** A website with tons of concepts that can be randomly matched. Maybe not randomly later (so you have a problem and a list of similar problems with their solutions.)
31. **Ethnographic Videos.** An ethnography is a tool used for creating new products. For example, Swiffer is the result of an ethnography, along with many other well known and successful products. The basic idea is that you watch consumers while they use a product to try and see things in their behavior that aren't easily verbalized. This technique is very powerful, and essentially unused by small businesses. We could try and target small businesses.
32. **A Media Recommendation Service.** There are many recommendation services that rely on algorithms. These are designed for a broad market. What I have in mind is a niche market. We provide extremely high quality, customized recommendations for customers. I can see this working for books, music, movies, and TV shows. We could start out by getting a single client and giving them a concierge style service in order to learn more about the growth and value prospects of the idea. As an example, imagine an employee of Goldman Sachs in SLC, say John. He is busy with work all of the time, but is making quite a lot of money. He likes Pandora but the recommendations leave much to be desired, so he hires us. We find out which bands he likes, find something new for him, and as part of the price we gift the songs to his iTunes account. Maybe it could be set up as a subscription, or maybe as a three month consultation where we recommend, get feedback, recommend again, feedback again, and so forth until we

unlock a large body of suitable media. Essentially, we would be personal curators for pretty well off people.

33. **Living Video Game.** We'd manufacture quests for people. They'd get a team together, pay an entrance fee, and go through a series of challenges to eliminate other teams. The prize would be something awesome. An example: we get a lockbox, fill it with \$100 dollar bills, and hide it somewhere. Teams who enter the contest all get keys to the lockbox. The first team to find it gets the money. On the way, we give out clues to each team, or maybe teams would have to enter challenges to get clues. We could design it so that teams entering a challenge would have to play against each other in order to get clues (and losing teams are taken out of the running). It's a lot like a game show, but since you pay to be on, the supply is unrestricted. We could do all sorts of stuff: paintball fights in the forest, riddles and clues hidden underground or in weird places in the city, interacting with actors hired by us to get information, espionage between teams, etc. It would be awesome. The biggest question is time frame (since people are busy), but we could figure that out pretty easily I think.
34. **Open Source Style** This idea might be below. You just post pictures and people give you style tips.
35. **Resizable Physical Display** Maybe with projectors you could do this, but it would be awesome if you could resize physical screens.
36. **Thinner Mattress** Lots of engineering required. Or maybe you could just get mats and stack them? People who are willing to sleep on fewer mats have to pay less. Just a new pricing model, I guess.
37. **Better Trash Can** Can someone redesign the trash can? Is there a better way? Papers for sure need their own spot. Maybe just a trash can that allows for easy recycling? What about a trash can that you can put plastic into and it melts them into pellets?
38. **The Contrapositive of Apple** People pay a lot for Apple products because they are beautiful and solve problems. Would they pay a lot if they could get rid of ugly things that cause problems? Yes. What are those things? Maybe just removing them would be good. A service? You could just give a free consultation to people. You go to their house, and tell them exactly what to do and charge 5 bucks for it. (Maybe, get rid of your fridge, for example.) What if you just had a service that came into your house and emptied your trash? How about this: a service where neighbors could ask someone to remove ugly stuff from the yard. None of the neighbors would be implicated.
39. **A Real 'Spaces' Desk** A physical desk that allowed you to switch workspaces quickly. Maybe expose as well?
40. **Databox** Like a video game console, but only for exploring data. You load the data in using wi-fi or the web or something, and then you can explore it like crazy with lots of visualizations, etc.

41. **A Better Analog Calculator** Touching two numbers at a time would mean add, for example; or maybe you would draw the operator on the second button. So, touching 2 and then a horizontal swipe on 1 returns 1. How about just a huge calculator. You could build it into a wall.
42. **Jean Fit Box** You create a huge number of jean fit types and send people a box with them all. They try them on and get their perfect size and then they can get custom jeans forever. What about something they use more often?
43. **Caring for the elderly.** is an industry that everyone instinctively avoids I think. I'm pretty sure there are a lot of opportunities there that people just don't want to deal with. I'm not sure what, however. Can we get elderly people to do some light work? It would be good for them and good for society.
44. **Quirky for Songs.** People like me have a few half-way formed songs, with melodies, lyrics, etc. These users would submit their songs in any form they wanted, (most likely performing them on video). The best songs would be fully created by a professional band. Song submitters get a small royalty *and* the satisfaction of creating a song, and bands get supplemental tunes; i.e. people do their work for them.
45. **Tailoring Service.** Most clothes don't fit people very well, but they don't know it. We'd set up a service, locally first, where customers could send all of their clothes and get custom alterations. Lots of people search for a long time to find the right fit, but this way, they could buy from almost anywhere. The nice thing about it is that your measurements would be saved in the service so you could reliably get well fitting stuff. This type of service already exists, but it mostly deals with newly fabricated items, which are very pricey. This takes advantage of economies of scale in the textile industry, but achieves results that are nearly as good as custom. We'd also face a lot of local competition, but I think we could handle it.
46. **Favor Network.** This one needs more thought, but it would probably have to be a Facebook app. People would ask for favors, and help others with favors. Helping someone with a favor would let you build credits of some kind, and then you could pay for other favors with those credits. You could also buy credits with money. An example favors: borrowing a textbook, getting a ride from A to B, using someone's parking spot, an introduction to someone in order to date them, help organizing an apartment before cleaning checks. The asker would set the price, so the value of doing a favor would be determined by a market, which would save us a ton of work. All credits would be redeemable for favors, or for money (but if you bought Y bucks worth of credits, you could only sell them back for X dollars, where $X < Y$, which is how this thing would make money.) There are networks somewhat like this, but none have broken into the public consciousness yet. I think the best way to do so would be to focus on one type of task, like introductions for dates or loaning textbooks, much like AirBnB is a specialized network of this kind for allowing people to sleep at your house while you're away. I believe keeping it tied to Facebook is a good way to catch on quickly. Once we get into public awareness, the types of favors could be more general.

47. **Consumer Storm.** “Hell hath no fury like a” consumer storm. This can already happen, but maybe a formalized way of really hurting a company’s reputation for doing something wrong or mean.
48. **Software → Hardware.** This is the opposite of “software eating the world.” You take something that exists in the world of software and try to replicate it in hardware. Nimbus from Quirky, or 3D printing are examples.
49. **Crowdsourcing.** What else could it accomplish?
 - a) Time, maybe? You can beg for time and if you get it all you can clean up a park, move, or something?
50. **Automatic Furniture Rearrangement.** If it were possible to have a system which could automatically rearrange your furniture, it would be extremely valuable. Different configurations for: more space, games, eating, media, etc. You could make one room much more functional and save so much space in the house.
51. **The most reasonable diet in the world.** You just do one very easy thing, like eat only one sweet thing a day, and then hope for modest results. The same could be true of money, work, etc.
52. **A springform muffin tin.** If this doesn’t already exist, it needs to.
53. **People like to customize** what they use. Worms and excite bike are two awesome examples of this. Where else could you apply it?
54. Nobody pays any attention to **cardboard boxes**. People care about plastic bags quite a lot, but not the boxes.
55. People want to participate in **close-knit groups**. They love to work together on projects they care about. They love to create things and connect more deeply than on Facebook. Networks are important for value.
56. **Group Financing.** If you could get friends to pool their money, you could buy things with zero interest. Then, the website would make sure you get the money back. This is a lot like lending tree.
57. A service that **applies for hundreds of jobs** for a single applicant. You give the resume, they find positions in your industry, apply, and you can schedule interviews with them etc.
58. An **app that tracks new albums** from bands you like and designate.
59. **Entrepreneurial Toolbox.** From lofty idea, across the valley of idea death, to a successful product launch, this toolbox provides data, consulting, and financial resources for entrepreneurs. Y-Combinator for the masses.

60. **Flexible Book Shelf.** Each shelf in the middle could be flexible in some way, so large items could fit, and you don't need to rearrange the shelves? Not sure how much value this adds. It does solve the problem of having to fit all your tall books in one shelf, and then wasting tons of space. Maybe there is a better way.
61. **Artistic Watch Faces.** A display made of flipping tiles, a display made of small rectangles that form a sun. The sun grows as the day goes to midday and then shrinks back down toward night. The main draw for these displays is beauty, like the visualizers in iTunes. A new, novel way of displaying time that sacrifices accuracy for aesthetics.
62. **Minimalist, Self-Cleaning Microwave.** Bad thing about microwaves: they are messy looking in and out. Pare down the interface and build in a nice way of self-cleaning. Perhaps a compartment in the front that you pour cleaning liquid in and then hit a side button which turns on the microwave and pumps out the liquid so it evaporates. Then, have some automated wipers or a tool that comes with the unit to very easily and quickly clean the sides, which should be easy since there is a nice layer of cleaner all over.
63. **A General Purpose Tracking App.** Examples: track when you buy produce so you can make sure you eat them before expiration. Track when you purchase clothes and from where and how fast they become worn out.
64. A catalog, perhaps called **Catologue 1**, which is a curated group of ultra-high quality products. Like Michelin ratings but for consumer products.
65. **Workline.** A website that coordinates several Etsy-style projects in a complementary way to create more value.
66. **A hollow couch** made with a very strong frame (carbon fiber or aluminum?) and one that you can open the back of for storage, cleaning, or because it's against a wall.
67. **Better Backpack.** What about a backpack which moves more weight to the front of the body. Backpacks are heavy but the weight could be distributed better by having the straps be much wider and cover more surface area. Like a vest. The front could even have large pockets so you carried more weight at the front. What if you could leverage that fact that your legs are really strong to offset some of the weight carried by the shoulders when you move your legs? Ivar backpacks got a patent for a shelving system inside the backpack. It distributes the weight better by moving some up higher.
68. **MBA Student Labor.** I like this idea: you take the consulting projects that MBA's do in classes, and do a meta-analysis-style quantitative aggregation of the results. Then, you see if the aggregate does a good job of producing strategy. If so, you could decrease the sample size and see how many people you'd need to produce it. The real problem is this: you can only look at past ones. You'd basically need a controlled experiment. That might be difficult.

This idea can be nested in a broader one: Quantification of qualitative analysis. For example, you could select a group of people and ask them to give ideas about something.

Then use word recognition and that strange fuzzy logic stuff to create a neural network and predict how the business should do. Data mining has been criticized because of "garbage in, garbage out" so how about take a guiding theory and priming people. Or, you could maybe use a bayesian prior to represent theory's contribution to the prediction.

69. **Shoes that "sweat"** on the bottom so you never lose grip
70. **\$ for a Meeting.** A website where you could trade money in return for a meeting with the right person. Example transaction: \$10,000 in return for an hour with the regional buyer of Wal-mart.
71. **Research database** that forced you to tag your paper with more than just keywords. You'd have to categorize the topic, effect size, and whether you supported or didn't support a theory. Then you could automate theory building, but suggesting theories and eliminating them using the database. Maybe just searching the database for keywords would work?
72. **Avenue Sampling.** You have a lot of possible avenues for research, theory, and methodology (I do personally so do businesses.) Why not construct a distribution over them and sample from each one. Then you'll slowly trace out all the possibilities. As you iteratively experiment, you can find the strategies. Hmmm...this is very similar to "Uncontrolled", and genetic algorithms.
73. An **oven that "watches" your food** to figure out when it is time to turn off. It could detect color shades like "golden brown." It would have to turn off early because stuff keeps cooking. Maybe it could open vents and fan the air out so you wouldn't have to be there. Similarly, a fridge that tracks when you put produce inside, and tells you when they expire. Update: chips exist that can track food items. Maybe the 'done cooking' concept works best in a toaster, actually.
74. **Household utility API's.** An smartphone app paired with hardware sensors, placed around the house, to measure electricity usage, water usage, etc. Like a bunch of API's linked to the phone.
75. **Better Skateboard Lighting**
76. **Better Transitional Sunglasses** With a manual control, and force it to be completely binary. No in-between stuff.
77. **Outfit Chooser** Based on pictures it chooses which outfit to pick.
78. **Hand Me Downs** You sign up for someone who is your size and style and spends a lot of money on clothes. Then they have a guaranteed buyer and you have a guaranteed seller. Could even do this with cars, or anything for that matter. Early adopters get subsidized by laggards in return for taking the risk, laggards get low prices.

79. **Big Data for Little Businesses** Sign up for a big data feed and get recommendations of some sort. Maybe set up the kind of research facilities used by large companies and give lots of little businesses access. Like, for example, execute the new product forecasting algorithm and then the results to little businesses.
80. **Exploding Scope** Host gatherings with smart people across different industries. Draw from creativity research to cultivate an environment for solving big problems. Maybe people explain how they solved recent problems and try to apply across industries? I'm not sure.
81. **Super Training** Is it possible to bypass training requirements and just have smart people start doing work? Maybe you could just take high-school students and put them directly into an engineering job that would usually require a bachelor's degree and see what happened. Pay them \$60,000 and they'd do it.
82. **Positive Deviance Feed** I guess the point of positive deviance is that knowing isn't enough. Still, maybe you could find a way to simply have a data feed where you could see what the best people in your area are doing. (Maybe they could be those who aren't directly competing against you.) So, if you're studying for the ACT or SAT, you enter in a host of information about yourself, and both serve as a data point as well as see data from others. Then, next generations can see who did the best. Same principle with small businesses, phd students, engineers, product managers, etc.
83. **A Retail Store that Only Carries New Products** Like Pre-Fundia for big players.
84. **Distribution of New Technology** We are just a catalyst for the spread of tech.
85. **Curation** Maybe experts post, and then people can veto. Items with the fewest vetoes stay (max 3?). A few material categories, a few experience, a few media, maybe a few in human capital.
86. **Startup Mergers** Why don't mergers happen at the startup level? Maybe the Thomas Edison approach could work. Start a battery company, merge with others, buy others, etc. until you start to get some serious scale. Maybe 18 minimalist blogging platforms don't need to exist. Maybe you could just buy up several of them and combine the human capital?
87. **New Ideas from Crowds** Crowds are really good at populating lists. You find ingredients for good ideas, like "technology that hasn't been updated for a long time," or "important problems that haven't been solved," or "things people care about but don't act on (the interest/action gap)." Once you have such lists, you could assign groups of people to work on the different areas. The current technology that exists to answer the question "what market should I enter" basically consists of individuals thinking really hard. Entrepreneurs don't have access to the kinds of information that large firms do. A platform like this could change that.

What items would be good to populate?

- a) A clear definition of the problem.
 - b) The skills necessary to solve the problem.
 - c) The estimated value of solving the problem.
 - d) The other groups working on the problem, or the next best solution.
88. **Coordination Networks** Like everyone at University is leaving and it would be great if we could all let some central system know so it could turn off lights and computers and save money. Except, as of now we just have to leave it to each person. You could put a nest in every room but it would be insanely expensive.
89. **Skill Classes** The Skills Gap is coming, so maybe plumbing, carpentry, and other types of classes will be of use for the Millennials who are very educated and have no skills.
90. **Healthcare Fraud Private Investigators** We find healthcare fraud and take a cut. For every \$1, the return is \$7 to the U.S. gov, so maybe there is a deal to be made.
91. **Web RA** You are a researcher and need someone to collect, clean, describe, or plot some data. You pay Web RA to do this stuff. They build up expertise and eventually automate most of the processes that are commonly requested. Suddenly time consuming research is available to many more people.
92. **Cause Manager** You help rich people prioritize their philanthropy. They pay you to manage their giving. You make sure it has the largest possible impact on the cause they care about.
93. **Rugs Warby-Parker Style** No middleman, made-to-order, super stain-resistant. Maybe modular?
94. **Changing Color Necklace** Glass in whatever shape and size you want, you change the color to match outfits.
95. **Electronic Heat "Breather"** When I put my mouth on my sleeve and breath, it gets really warm. It might be a really efficient way to heat in a localized way. Could you make a heater that did that?
96. **Responsive Design** We mix qualitative, quantitative and experimental methods to understand a business context. The key to this model is that we give away consulting services in exchange for widely applicable insights into a domain. We can also get contact information from people we work with. An example scenario:
- a) We ask a business that fabricates custom parts to let us film the process, talk to the employees, and run some numbers. They let us do so in return for information: we can use whatever we learn to create products. We can also enlist their workers to test the products. In return, we offer consulting, a video of their employees at work while the boss is not there, interviews, a breakdown of how their employees are using the bulk of their time, any stand-out workers and what they do differently and if it can be applied elsewhere.

- b) We have Joe do interviews of employees. We have Logan go through and film. We could even have an employee wear a mic and collect information from other employees secretly. I would use the videos to document where people seem to spend the most time or have trouble. I would match it up with Joe's interviews and see if we could identify the major problems.
 - c) We would give the business our results, but we would also try to develop new products to solve the problems we'd found. In this case, maybe people need to wear gloves because the metal is so hot during some process. We would find out how much money that costs and maybe invent a new method (process improvement style) or a new product that eliminates the need, etc.
 - d) We give hand over the tasks and information to designers and engineers and create a new product, and we sell it to businesses, starting with the one where we developed it.
 - e) Repeat.
97. **Major Picker** Use open net from the government to help people pick majors. It's a website so it scales and can take the entire education market by storm. We compete with counselors, and we will crush them. Our site will promise to help students pick a major in 2 weeks for 20 dollars.
98. **Pumpless Soap Reservoir** Why do we need the pump? You can just dip your finger in the soap and you get the right amount. It saves packaging.
99. **Liquid Networks** Steven Johnson's idea is that ideas come from slow hunches and liquid networks. The entrepreneurial world seems to be obsessed with liquid networks of engineers. What about liquid networks of something else though? What about a liquid network of artists? I but you could capitalize on undervalued resources by doing this on purpose with different networks. Not very many startups get a big team of motivated botanists together, but that could be killer. You could get even better ideas maybe by adding a few random people to the network, like botanists plus an engineer plus a finance person plus a designer.
100. **Combinatorial Seeds** Netzer and Toubia figured out a way to incorporate humanity into an algorithm by using google. Google represents the content of a particular domain, as created by humans. There are possibly other ways to do the same thing that could be useful: instead of a population of webpages, it could be a population of journal articles, patents, recipes, or a single person's ideas. I could do a combinatorial algorithm on my own ideas! Maybe I should.

Somewhat related is this idea that you can evaluate ideas according to prototypically. Take the domain content and extract some structure to use as a model. Mihaly C. says creativity is an interaction between individual, domain and field. Perhaps you have a combinatorial algorithm that spits out ideas, you have a domain for similar ideas, and you need to decide whether the idea is new or not, and whether it's good or not. How do you predict whether an idea will be good or not? You need tons of information

about the environment. Perhaps you need to track the most recent idea in the field? In addition, you need to figure out what "good" means.

101. **The Internet as a Brain** If an idea is neurons firing together, as Steven Johnson thinks, then the internet could be a huge source of new ideas, and a way to evaluate them. The internet is nice because it is constantly being updated by humans. It is already a centaur. Lots of people have their info stored in their own brains and transfer portions of it to the web.

To get a new idea you need to generate it first, and then you need to evaluate it. The necessary pieces are:

- a) Generate an idea using the internet: choose some term from a list and give it to Google, then scrape the links.
 - b) Understand the local structure of the idea, what are the clusters, and which clusters are nearby to the cluster of the idea. You'd need some way, like hyperlinks, to understand the network structure by figuring out which items connected to which other items.
 - c) Then do a bunch of network metrics on the result. Find combinations of ideas that are likely to be: useful (maybe from a calibrated model), new (from a different model) and possible to execute (maybe you'll need humans for this, but you might be able to calibrate a model based on failed ideas and a theory like prototypically.)
102. **High Throughput Combinatorial Websites** Software is a great 'building material' because it's so flexible. You could possibly use high-throughput on websites for that reason.
103. **Hybrid Learning Systems** Combine experiments, human judgement, theory, machine learning, structural models, to create a triangulation system that helps you understand truth. This is a re-hash of other ideas but it might still be worth recording. Experiments give causality, human judgment can parse everything, machine learning is fast and can do prediction and leverage large datasets, and structural models can do counterfactuals.
104. **Reverse Waterfall** The seeds in sesame oil float upwards very slowly when you turn the bottle upside down. You could do this with a lot of stuff. It's cool.
105. **Startup Host Families** Startup founders need a place to work and often want to live in urban areas. Maybe if you had a good screening process, some families would let you stay at their house. Basically, the same way families host the missionaries but hosting a startup. No rent payments, food, etc. In return, the host family gets equity.
106. **Gecko-Pad In-Ear Headphones** They stick to your ear like a gecko to a window
107. **Art Subscriptions** You receive a new, large piece of art every quarter. The business model saves costs since everyone gets the same art, but chosen from a few options.

108. **Pinterest + Reddit** Self-evident, I think.
109. **Curation For Everything** Collaborative filtering and also profile matching (someone like you) can help with discovery. Also perhaps humans. Again, I hybrid might work very well.
110. **Lay Scholar** Get a large selection of journals, have employees translate them into layman's terms and build a consumer friendly database.
111. **Private Flexicurity** Private unemployment insurance with training on, say, Udacity. You monitor the courses a person is taking and they pay back when they get a job. It could be structured as a loan or as premiums/deductible. Probably the former is simpler. Seems particularly relevant in a world where AI will push people to rapidly acquire new skills.