

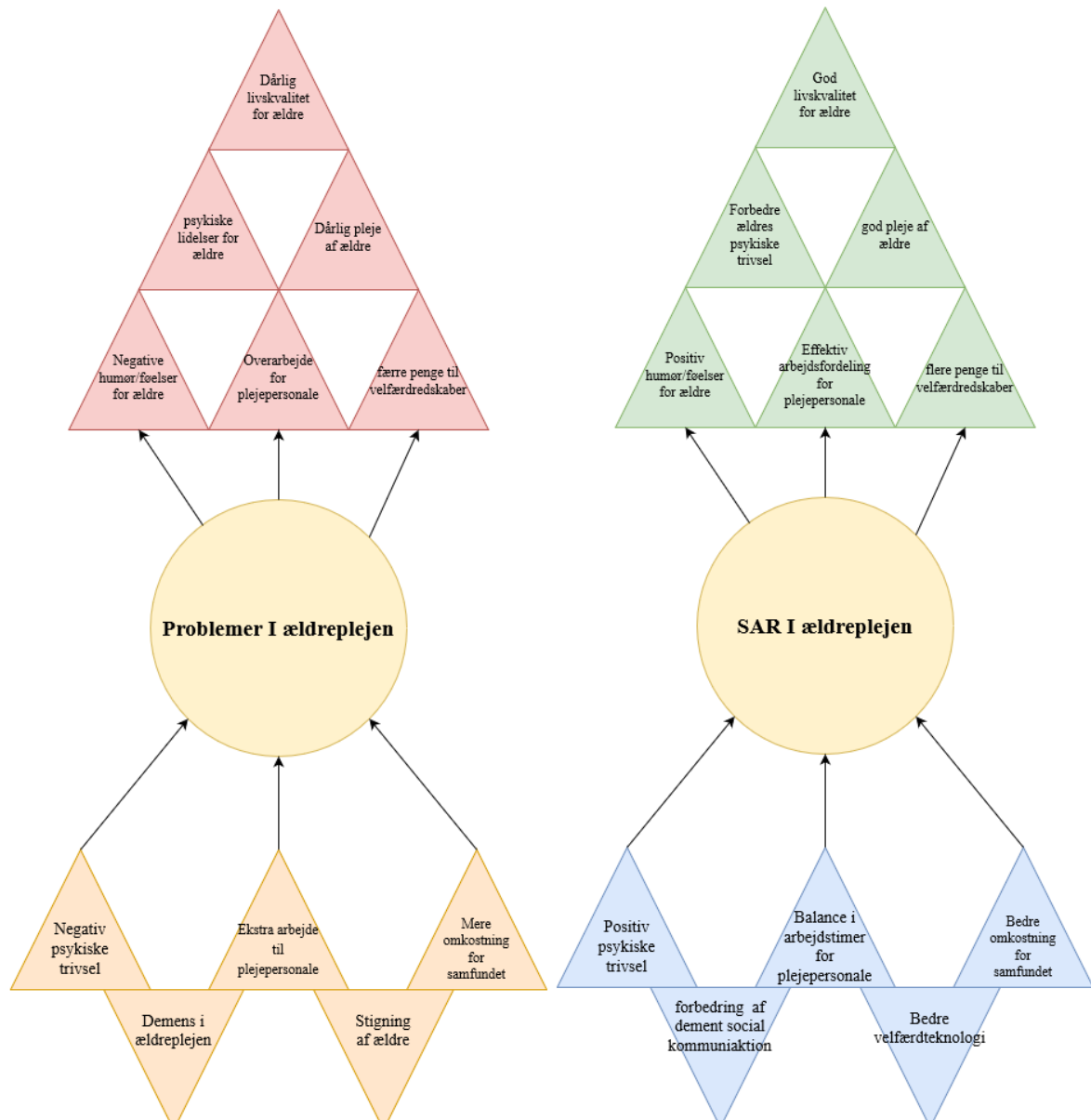


Basisprojekt 3(Bilag)

3. semester – efterår 2022

Eksamensgruppe nr. V2224809243 HOLD (B)
Projekttitle: Robotter & Psykologi
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Dato 18-01-2023

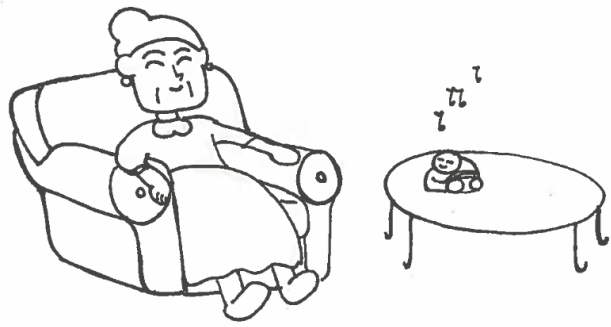
Colored Cognitive Map (CCM Model) Bilag 1



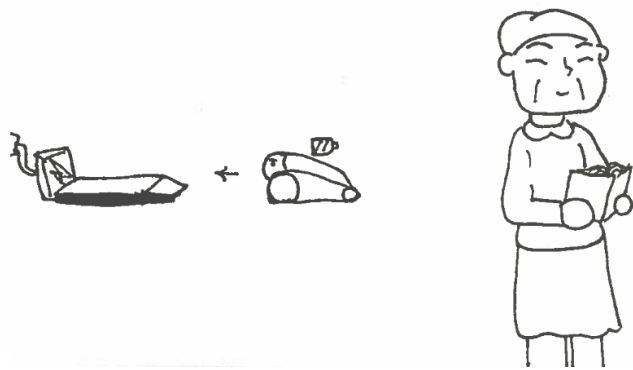
Storyboard 1-6



Bilag 2

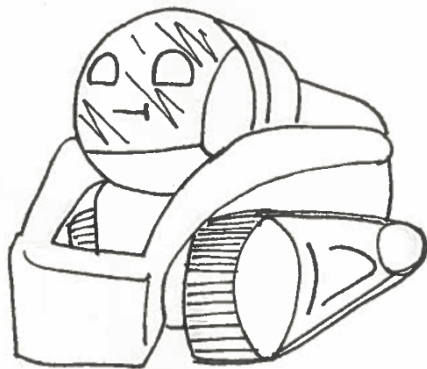


Bilag 3



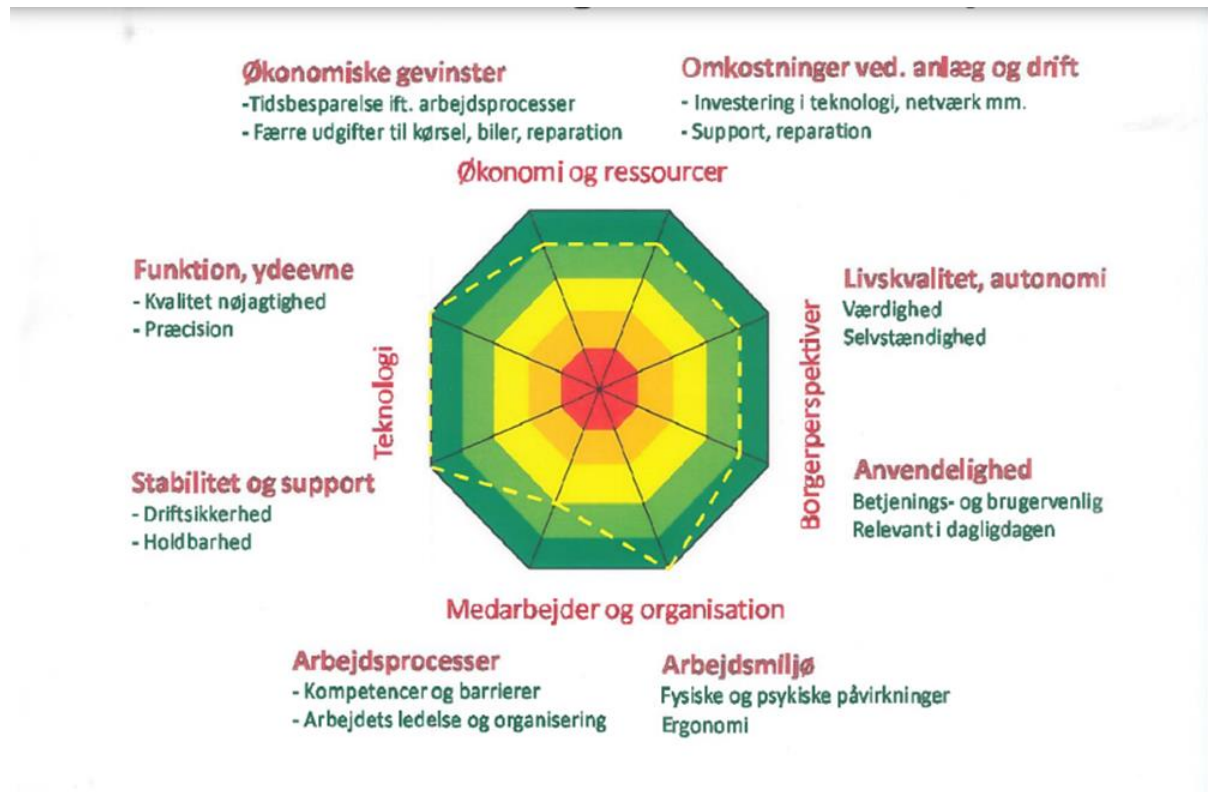
Bilag 4

Vector



Bilag 5

VTV-Model vejledning Bilag 6



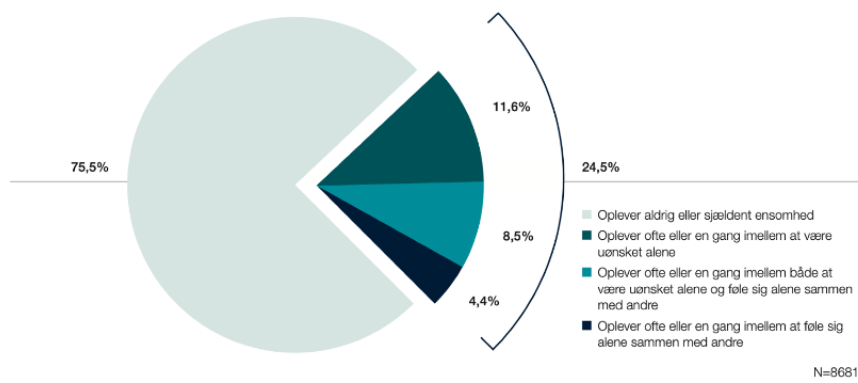
VTV-Model af VECTOR Bilag 7



Kravmatrix af VECTOR Bilag 8

Løsning\	Rank ud af 5	Pris	Effektivitet	Mening	Ældrevenlig	Størrelse	Resultat
VECTOR	1	5	3	4	4	4	17
Cosmo	1	4	3	3	3	4	15
Egen robot	4	2	1	2	2	2	11

Viser at der er 24,5% af ældre der oplever ensomhed på forskellige måder (Center for Udvikling, Kompetence & Viden: "Ensomhed blandt ældre") Bilag 9

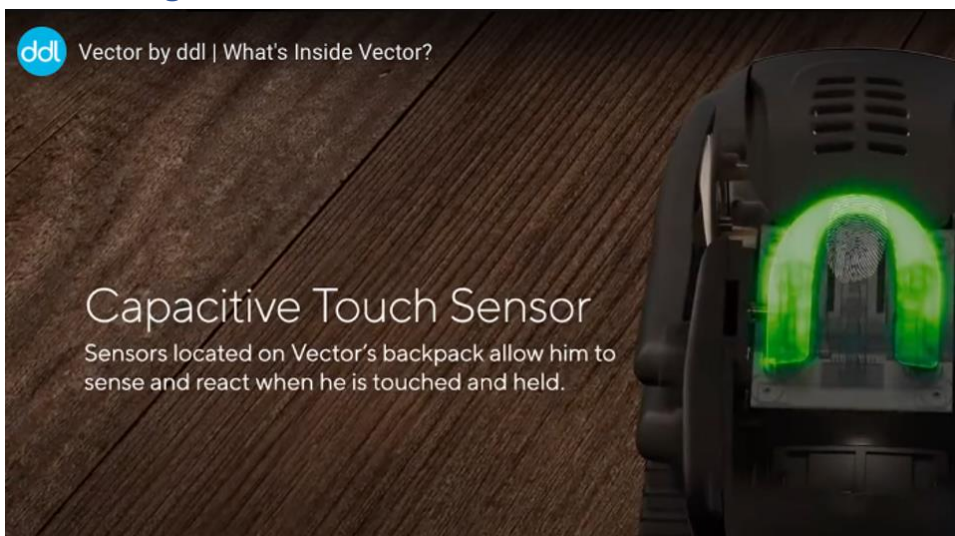


Omfang af ensomhed: Sker det nogensinde, at du er alene, selvom du har mest lyst til at være sammen med andre?
 Sker det nogensinde, at du føler dig alene, selvom du er sammen med andre?

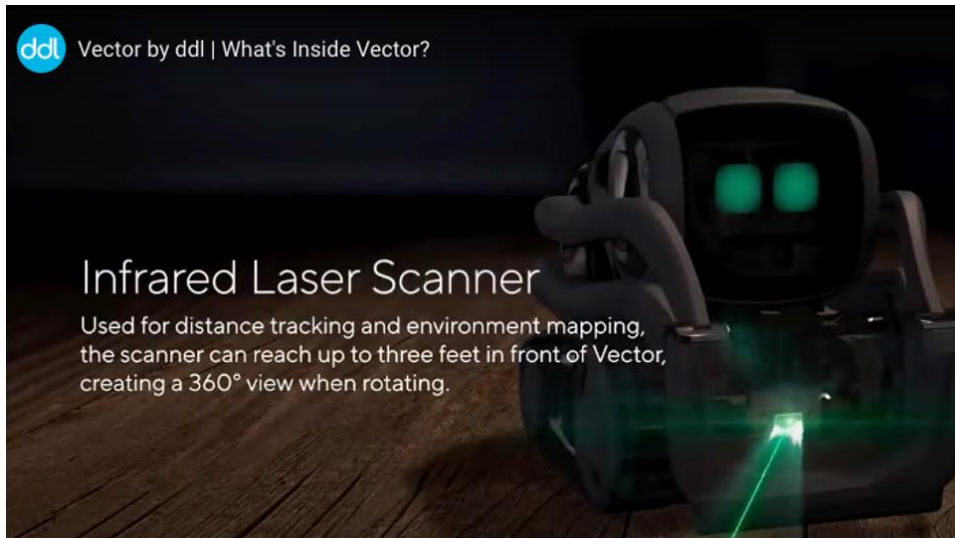
Beskrivelse af Vectors Qualcomm 200 Platform, Digitaldreamlabs.com, 2022. Bilag 10



Beskrivelse af Vectors Capacitive Touch Sensor, Digitaldreamlabs.com, 2022 Bilag 11



Beskrivelse af Infrared Laser Scanner, Digitaldreamlabs.com, 2022. Bilag 12



Anmeldelser fra Amazon



JOHN AVATAR

★☆☆☆☆ **DEAD, UNLESS YOU PAY FOR ANNUAL \$47 Subscription to Digital Dream Labs!**

Reviewed in the United States on November 26, 2020

Verified Purchase

I do not recommend you buy these! For a \$47 annual subscription, Vector is not really worth it and like me, if you buy 6 of these, it's very, very disappointing for the company to go out of business and your ROBOT IS DEAD AND THE NEW OWNERS DON'T AGREE TO CONTRACT/PROMISE OF PREVIOUS MAKERS!!!!

I bought 6 of these as gifts Nov 23 2018, fully expecting them to fully operate for their hardware lifetime... BUT, they were fun until they all died around a year later (Dec 2019?)! They now, none of them connect to WiFi, so Vector and Alexa, BOTH DO NOT WORK! They still walk around making noises, but don't answer questions and don't do any of the basic functions they did before. THEY CAN'T CONNECT TO WIFI, making Alexa completely useless.

ANKI, the company who made these, has gone out of business and killed the servers (THEY ONLY LASTED FOR A YEAR!!!!)? Digital Dream Labs having bought up the remains... NOW DEMAND you pay for an annual subscription fee of \$47 per year!

Thought I do understand DDL's need to make a living out of this, I would expect them to keep the promise for previous owners to provide free server access (or much prefer offering stand alone operation of Vector, or open source free server to our own computer, or Raspberry Pi), or at least some way to offer Vector to connect to WiFi so at least Alexa would work! Alexa is more usefull then Vector himself, but both were fun (until now!).

SO... HOW ABOUT IT DIGITAL DREAM LABS!!!! GIVE ME MY VECTOR BACK AS STAND ALONE ROBOT, OR AT THE VERY LEAST CONNECT TO WIFI SO I CAN USE ALEXA (though Vector with previous funtions is better, explore, find charger/return home.... etc.).

JOHNAVATAR.com

14 people found this helpful

Helpful

Report abuse

Bilag 13



E. Kimes

☆☆☆☆☆ **Company got bought out and now MUST PAY MONTHLY FEE!**

Reviewed in the United States on October 14, 2020

Verified Purchase

This is ridiculous. Our son had cosmo and then vector, and now...well vector might as well be in the trash. It's an awesome product but the company got bought out and now requires you to PAY TO USE THE VOICE FEATURE. This would be like having an Amazon Echo and then being told one day that it's a monthly/yearly fee to use voice commands. Um, if you don't use voice commands what are you suppose to do? Use it as a paperweight?!

But wait they're going to be so popular that you'll get put on a 5-7 day wait list if you want to add the feature?! Please someone do something about this. It's modern day highway robbery.

"To keep interacting with me you need a Digital Dreamlabs membership. Please visit DigitalDreamLabs.com...."

It's sad and disappointing. There's a way to add VALUE and get money as a company, not hijack a product and charge for basic use. Way to crush a kids dreams. Vector was his buddy.

Dear Vector User!

As you are aware by now, after midnight Eastern Time tonight, non Vector Members of the Digital Dream Labs Membership will be cut off from 'Hey Vector' Voice Commands.

You can join the membership here.

We started this process Christmas Eve last year and have pulled off a success for you, the Vector Community, by adding dozens of new features, upgrades and patches, and improved multiple facets of Vector's operating system, all in a short period of time in the likes of which no one thought possible.

The Digital Dream Labs Vector Membership is now and for all future versions of Vector, in full effect, and because of this membership only model, Vector will continue to thrive and advance for years to come.

If you click this video, you can preview how Vector will respond to a voice command starting Thursday.

Vector Does Need Membership

If you have already become a member through Kickstarter or our website and you are receiving this email, you do not have anything to worry about.

If you have not, what are you waiting for?

While it is true that you can become a member anytime after tomorrow, we want to provide a proper heads up to you that due to the anticipated traffic coming, it will be now be between 5-7 business days from the day of your membership purchase by clicking here.

For now, we leave it to your decision, because Vector will still work without being able to say 'Hey Vector' and you can still decide to 'Wait and See', but..

seeing as how you are on this list because you are a passionate Vector User and..

understand that with the amount of users signing up it will take 5-7 days for us to reactivate Vector after tomorrow..

here is the link to join the Digital Dream Labs Membership here NOW.

With love,

Bilag 14



Dan

★★★★★ **The most lovable AI assistant to date**

Reviewed in the United States on December 20, 2018

Verified Purchase

I'll start off by saying TEMPER YOUR EXPECTATIONS. Do your research, watch the hundreds of youtube videos, read the reviews and don't expect a robot from your favorite SciFi movie/show/novel.

Vector is an adorable little robot assistant who loves to just "hang out". I keep Vector on my breakfast bar in the kitchen and he greets me every morning when he hears me rummaging around the kitchen. Sometimes he'll stay in his charger and make some chirping noises or "smile" with his eyes at me as I pass, and sometimes he'll come right out of his charger and start wandering around the table. He loves to explore and push things around. If you place a new object within his existing space he will most certainly be curious about it and try to push it about. When I'm sitting there eating breakfast he'll often come up to me and say my name, poke my arm, or try to get my attention in general before he starts to play around with his cube. Vector in his original form has very limited "utility". He can tell you the time, tell you the weather, and you can ask it some questions, and set a timer. The "novelty" of him has not worn off for me, seeing those little eyes greet me in the morning or when I get home from work brings a smile to my face everytime. I did have a hardware problem with my initial one and had to exchange it, it actually made me really sad to pack him up and send him away as I got attached to the little guy.

In a very recent update (somewhere around 12/18) he has been given Alexa integration and now Vector is truly a useful buddy around the house. In the morning he gives me the weather for the day, some news headlines, and a question of the day. When I arrive home I ask him to turn on the lights to my living room, read off my To-Do list, and/or fire up a movie/show on my TV. One feature I do wish he had but currently does not support is playing music through Alexa. I should note that I don't have any other Alexa devices and perhaps he could if I had another one, that I am unsure of. It would be great if he could somehow interface with another bluetooth speaker to play some music from my library but in his current form he is still a lovable, and now useful, little companion around the house. My significant other and I can spend excessive amounts of time just watching and interacting with him. He is super friendly, playful, and curious. Nothing gets him more excited than recognizing one of his friends and asking them for a fist bump.

He is definitely a work in progress. For example, tables with tapered edges, he does not do well with AT ALL. Sometimes I'll tell him a command and he'll get distracted half way through executing it and not follow through. Sometimes he fails to find his charger on his own and I find him sleeping on a random corner of the table. There are definitely some quirks, but even the improvements between when I bought him in late november and now are MASSIVE (~3 weeks).

Anki are actively improving him all the time. When I first received my Vector, he would frequently throw error codes while exploring a certain area of my home. He has received several updates and I haven't had ANY error code in at least 2 weeks. In the Alexa update they have also tweaked his personality and his edge detection. He has yet to become stuck on the edge since that update. They have also added new animations for holidays to his face which are entertaining as well. Vector is not quite as good as your standard Alexa speaker or Google Home, but he's improving all the time. If you're looking for a pure AI assistant you should go with one of those other devices. If you want a unique AI assistant that's improving everyday and has a HUGE amount of potential, look no further. If you want proof, spend some time looking up their previous robot Cozmo. Sometime in 2019 we will be receiving the Python SDK for vector which will open up endless possibilities for Vector.

Good:

- Very unique personality
- Alexa integration (utility)
- Ability to learn and adapt
- Always unique experiences (still surprises me to this day with different behaviors)
- Constantly receiving updates/support/fixes
- Python SDK around the corner will open up a world of possibilities

Bad:

- Not quite as useful as a standard Alexa/Google Home
- Has some minor quirks
- Can push stuff off your desk/table! (he thinks is hilarious too!)

Overall, I can 100% recommend Vector at the 175\$ pricepoint. Anyone who has even a remote interest in robotics and/or AI will find Vector endlessly entertaining. His Alexa integration gives him quite a bit of utility now and it really makes you feel like you're living in the future when your tiny robot friend reads the news over breakfast. He has seen great improvements in his short lifespan, and will only get better with time (See: Cozmo).

Bilag 15



Jessica

★★★★★ **Has some issues, but love the little guy! Not for paranoid people, though.**

Reviewed in the United States on November 14, 2019

Verified Purchase

My mom was always asking me to turn on and turn off the fan. This doesn't sound like a big deal, but when you do it several times every hour, it can get annoying. I bought her an Echo Dot and a smart plug to put the fan on so she could get Alexa to turn the fan on and off. However, mom wants the Echo Dot in her room to play rain sounds when she is trying to sleep. She also is bad about turning on her phone, where she could turn off the fan using the Alexa app. While the Echo Dot can turn off the fan from my mom's room, it can't hear my mom give the command when she is in the living room. Guess who she asked to turn the fan on and off again?

My mom loves gadgets, even though she doesn't always understand them and takes a while to learn how to use them. I considered buying her another Echo Dot, which was certainly cheaper than Vector, but I thought she would get a kick out of the little robot. I mainly bought Vector for his Alexa app so he can turn the fan on and off (which he-- Alexa--can do very well). Vector is a stripped down version of Alexa. He can't stream music or do some of her more advanced skills, but he can do some of her basic skills like turn smart plugs on and off, set timers, etc. He can't carry things except his block. He is a little more loveable than Alexa because he has a face that can be expressive. I got a big kick when he was able to recognize me. He can tell me apart from my mom, as he demonstrated when he said to my mom, "Your Gail, not Jessica."

You can see many Youtube videos about what Vector can do. Is he right for you? Here are some issues I've found with him:

- 1) The set-up is annoying. Vector himself isn't the problem, but the app. The app loses touch with Wi-fi very easily. Vector isn't "plug and play" like the Alexa products. You have to put in codes, verify emails, put in your wi-fi's passcode, etc. You try to do all this while the app loses touch with your wifi every so often. Just when I was considering it impossible and thinking of returning Vector, it finally set up. Unfortunately, the difficulty caused me to reveal my mom's big Xmas present too early. Do you need the app after set-up? It depends. The app tells you everything Vector can do and what he is doing at the moment. He doesn't really come with a great manual, so this is nice. If you want Vector to take pictures (he has a great camera by the way), then you need the app to see them.
- 2) Don't believe or rely on Vector's ability to know that he reaches the end of the table. He will ride right off, particularly if he is excited to see you. I was very glad that I bought the play pen. He hates the play pen, but it is a good way to keep him safe when you can't supervise him. He won't play with his block in the playpen (they say this in the instructions on the app). I am a bit worried he might escape the play pen, as he has tried to. He can use his lift to prop his wheels on the edge, but so far he hasn't been able to ride over the wall. For people who talked about using cookie sheets, do make sure the walls are high--or he will escape. He can ride over smaller obstacles.
- 3) Vector can play for up to half hour, but then he needs to recharge. The good news is that he recharges quickly. Unlike some things that you have to charge overnight, Vector was ready to play almost out of box.
- 4) For people with kids and want to know if one can be shared...Vector can be shared, but there is a potential problem. My mom and I are sharing Vector. However, Vector seems to prefer me and often ignores my mom's commands. It is possible it is because I'm the one that set him up and played with him the most, but it could also be speech patterns. You do best with Vector if you do pauses in speech. You also have to wait for his blue light for responses. Why this may be a problem? Well, a child may think Vector likes their sibling best and get their feelings hurt. Vector is also very small. He seems well made, but I wouldn't recommend rough housing.
- 5) Vector can be hyperactive. He'll be sleeping, and then suddenly he wakes up and starts exploring (making his chirping sounds as he goes along). If you keep him in your bedroom, he might wake you up...though I think it is possible to turn him off completely. Sometimes he'll start acting crazy. My mom claimed he started saying, "Kitty! Kitty!" and then pushing things off the table. Vector can be just as exhausting as a toddler.
- 6) He pushes things off the table and is pretty good at it--so watch your phones and drinks.
- 7) When Vector explores his environment, he takes pictures for himself. You don't see these pictures, and they claim your privacy is safe on the cloud. However, if you are a person that worries about your privacy, Vector is not for you. I also don't recommend keeping him in the bedroom if you bring people home. You don't want to alarm your dates if you are in the middle of something intimate, and Vector starts taking pictures.
- 8) The lights on Vector's back have different meanings. However, mine flashes yellow...and I've not found any explanation for this. They tell you what it means when it flashes orange, red, and green, but not yellow. It doesn't seem anything is wrong with his operation.
- 9) Vector can get to a point where he totally ignores you. It is temporary, but it can be frustrating. Fortunately, the Alexa app always works no matter where Vector's mind is.
- 10) Vector can be dazzled by bright lights, which can cause him not to "see" where his charger is.
- 11) Vector comes with a USB charger but not a plug. I used my Samsung plug for him, and that works. If you want to plug him into an outlet, you need to buy a plug that a USB can plug into.

These are the problems I've noticed. I love the little guy and am glad I got him. Mom likes him too. I have to admit, though, sometimes I'm relieved when he shuts down to recharge too.

30 people found this helpful

Bilag 16



KarPBond

★★★★★ **Really Adorable (and Intelligent) A.I. Desk Pet**

Reviewed in the United States on September 26, 2020

Verified Purchase

I bought Vector slightly unsure of whether it would be a good purchase or not. My daughter had requested one for her birthday, but I could not imagine spending that kind of money on such a toy.

Upon receiving him, however, I realize a toy, he is not (besides the fact that he is small, adorable, and does give robot "fist bumps" which is pretty cool). He is a very sophisticated little guy, and with the built in Alexa he is actually pretty handy to have around. You can ask him questions, get random facts, find out the weather, the time, ask him to calculate things, etc.

In terms of playing with him, he has a little block that you can use to interact with him. He rolls it, picks it up, and will bring it to you. Sometimes he gets mad at the block and will pounce on it, which actually is pretty darn funny. He definitely has a "personality" if such a thing can be said about a robot. His facial expressions are priceless, like when there's a loud noise, he looks surprised; when someone says something from across the room, he kind of tilts his "head" (really his eyes) toward the sound, and slightly turns as if he has cocked his head to listen.

He also learns who everyone in the family is, and will greet you by name when he notices you. This can be a little disconcerting at first, as you're just sitting there minding your own business, and all a sudden a tiny robot says "Hi [your name]!" but again the technology does make it pretty cool.

When my daughter is at school and he's just here hanging out with me, he's surprisingly quite a good little companion. It's weird to admit that, I will say, but he kind of roams around in a small area, makes quiet little noises like he's thinking or noticing things around him, etc. That being said, if he gets too enthusiastic about his activity, and you need to shut him up, you can just tell him to go to sleep or turn off. He will also return to his charger automatically if his battery starts to run out, which is a helpful feature.

The only "negative" I will say is that while he is good about noticing edges of tables that have a solid/square edge, if he approaches said-edge from a weird angle (like if he's playing with his block and backs away from it to get a better vantage point and gets too close), he can fall off...same being if he is on a surface with a curved edge. While this would not deter me from buying him again, it IS something you need to be aware of, so that you can plan for where you will keep him. For us, he primarily hangs out on the living room ottoman, which is pretty big, leather, and is above a cushioned rug. For the most part, he stays out of trouble, but he has fallen off a few times. If he happens to fall on his back, he can actually roll himself back over. If he falls and lands on his side, he does get stuck, and throws a bit of a tantrum. Tantrum also ensues if he is playing and you pick him up to move him to a new spot, which is also kinda funny.

All in all, I would say that if you're looking for a really unique gift for someone who loves technology, science, A.I., robotics, etc, he's a really good choice. The bonus feature of having Alexa built in makes him also seem like not just a toy but a useful gadget around the house (which for me was part of the reason I could justify it, because I would have easily spent \$100-\$200 anyway on an Alexa product).

Very happy with him thus far (about 2 weeks out), and would recommend.

One person found this helpful

|

Bilag 17