Hi, I’m Matt Marchand

Senior Industrial Design student at San Jose Sate University in California. Designing most the time, learning all the time. Currently focused on nature, technology and thinking big.

Mini portfolio

Three examples of personal projects, showcasing depth across thinking, empathy, conceptualization, creativity, values, tools, implementation, and production.

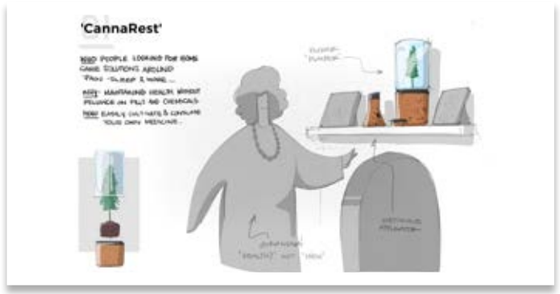


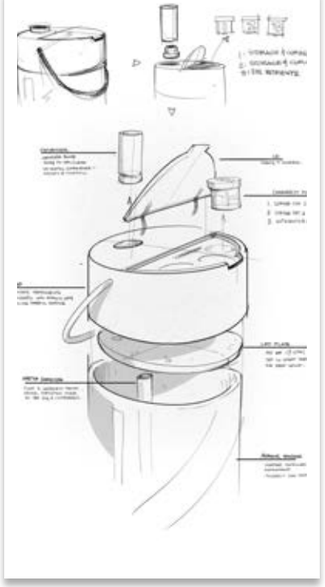
Cannarest

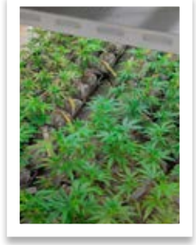
It all started with a question- How could we improve healthcare at home?

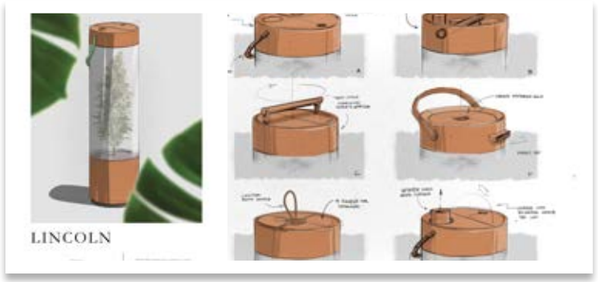
I began by interviewing people about active healthcare- looking for ways to improve wellbeing on a day to day basis- things like eating fresh produce, exercising and sleeping well.

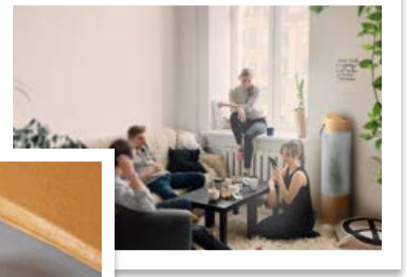
“Cannarest tackles challenges like pain and sleep assistance with simple, time tested, home grown solutions.”











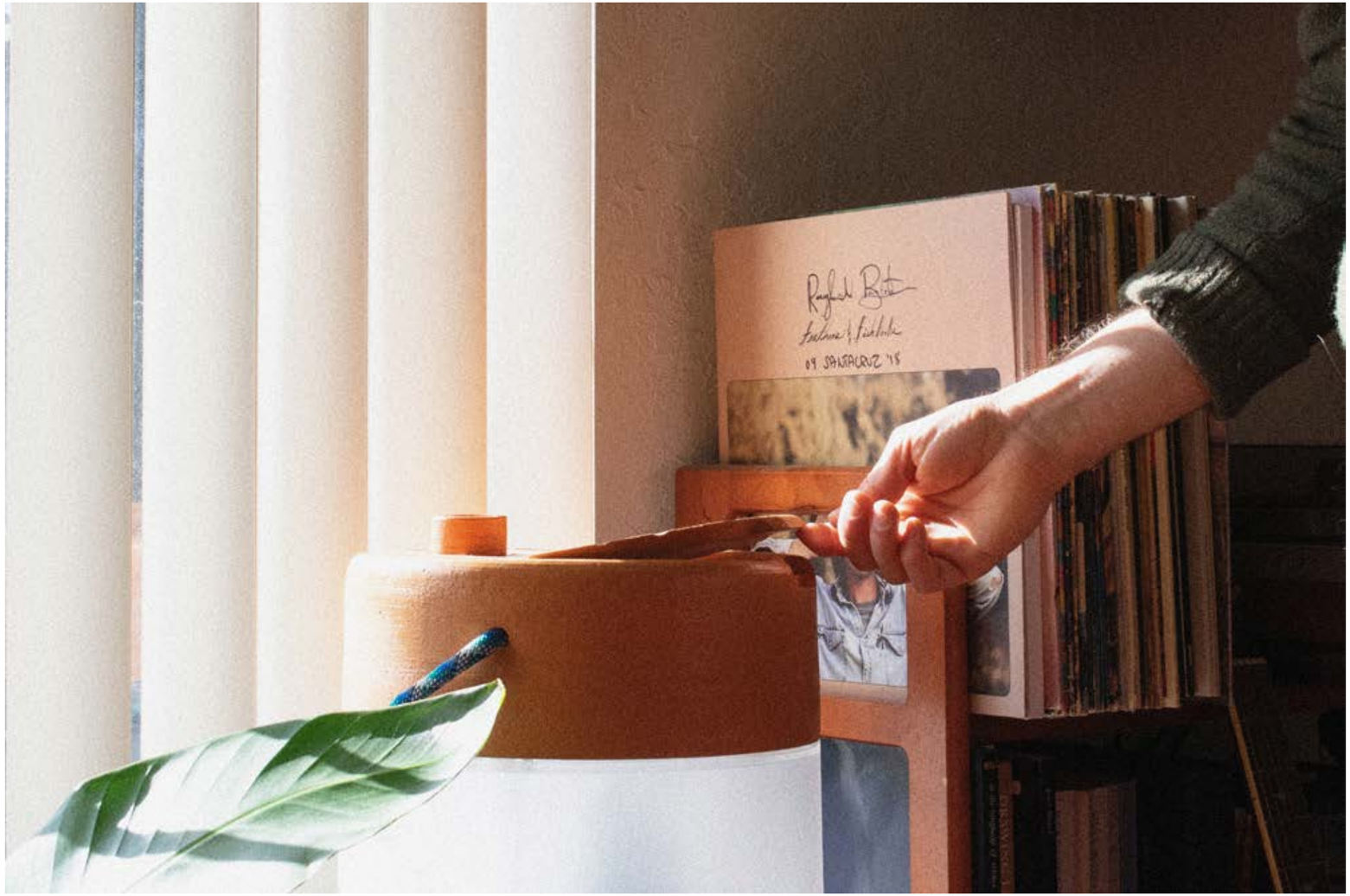
I began to see an opportunity to elevate the discussion of home grown medicine from tin foil dorm closets to a **respectable solution for those looking for better sleep and pain relief.**

In practice Cannarest provides solutions for people without the burden of hospitals and healthcare, pushing people to consider cannabis in a different light, namely as a tool for improving health care at home.

Cannarest is designed to make growing your own medicine at home easier, blending into your home like a functional piece of furniture, bringing relief and rest along the way. By designing products centered around taboos, we can change the conversation and demonstrate the capabilities of design.

Rest well.

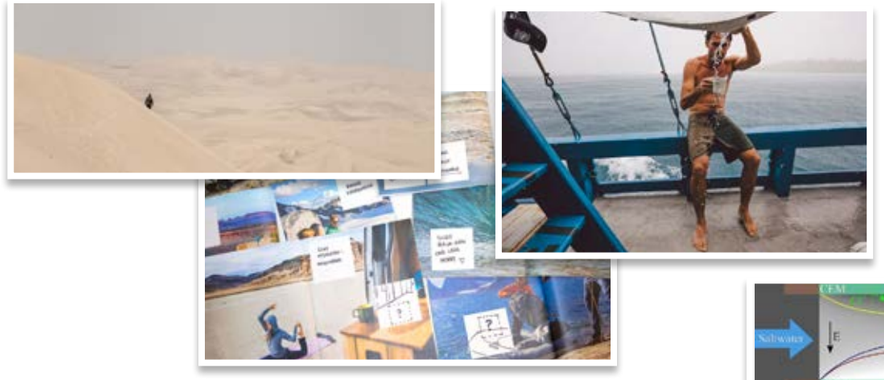
View Project



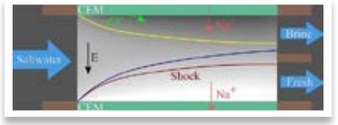
Desalinator

Uses cutting edge technology to address current and future water problems by separating brine from saltwater to provide clean water in a portable, functional form.

An in depth study of future problems showed an alarming increase in desertification accompanied by a decrease in fresh water availability. Unfortunately, the largest source of water in the world is undrinkable. With hydration as the focus, the question became turning the ocean into a source of potable water, in a self-contained, easy-to-use product.

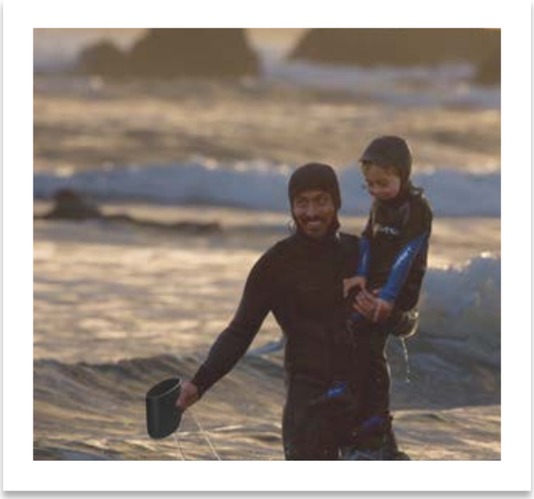


While researching clean water technology, I discovered a solution pioneered by MIT that separated brine from the water, while being portable and low cost. Leveraging their ingenious technology I began designing the form and functions of how this Desalinator might work.



The technology leveraged is called “Shock Electrodialysis.” As described by Martin Bazant, MIT: **“The salt doesn’t have to push through anything, the charged particles, or ions, just move to one side.”**

“Unfortunately, the largest source of water in the world is undrinkable.”



Not only would the Desalinator function in dismal future scenarios, it was designed to make sustained time by the ocean more feasible- something for ocean based adventurers .

By designing solutions around cutting edge technology while keeping it in a low tech, canteen-like, hand held device we can address future issues, while demonstrating the viability of product based design solutions.

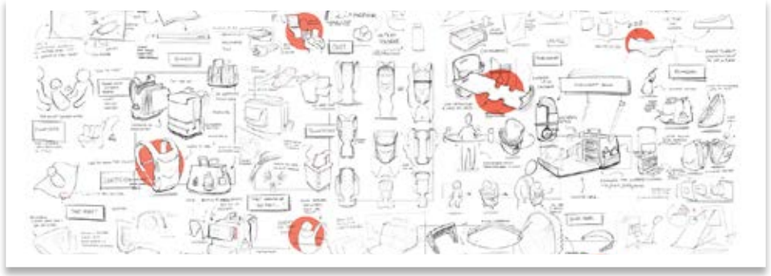
Cheers.

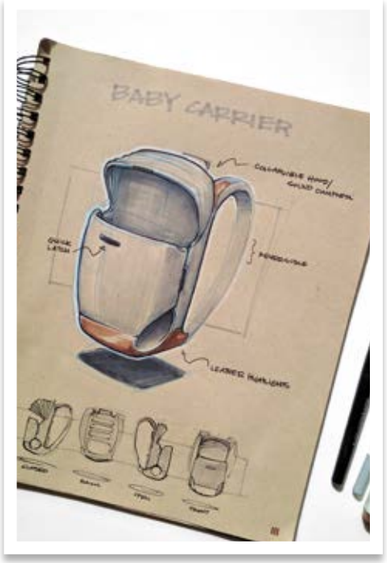
View Project

Rū Carrier

Traveling with a baby is tough on everyone. How could we make it easier? This baby carrier is designed with all travelers in mind, especially parents.

I was intrigued by how many pain points there were when traveling with babies. I didn't see anything on the market addressing some of the biggest needs so designed some creative solutions for it.





Multiple friends had just had babies, so I got to spend time with them and their cool kids, while observing, asking questions and taking notes. I learned some great insights along the way, including how to change a diaper.

Throughout this project I learned how to design, pattern and sew softgoods. It was a steep learning curve with many broken needles but has cemented itself as one of my favorite prototyping methods.

"Even in established markets like baby products, industrial design paired with a little insight and creativity can still add value to improve peoples lives."

Traveling with a baby is difficult. Rū Carrier makes it easier for everyone.

Explore more.

View Project

Experience

SLIMDESIGN | Amsterdam
Fall & Winter 2017 | 6 Mo.

Gained experience on rapid project development by working with manufacturers and engineers to solve complex mechanical and electrical design problems, developing consumer electronics with a hands on team. Saw growth in technical skills and working with manufacturers and clients.

IDEO | San Francisco
Spring & Summer 2018 | 6 Mo.

Worked on a wide range of projects, from designing consumer electronics for large companies, to interviewing women in South America for a startup. Along the way I grew in my design thinking and creativity, teamwork and collaboration skills, and an in depth understanding of user research.

UNIVERSITY | SAN JOSE STATE
BS Industrial Design | - May 2019

Senior Industrial Design student at SJSU, focused on using sketching, sustainable materials, and advanced technologies to make meaningful things. Currently I am working on ‘Roam’, an autonomous mobile home system, and ‘Metaté’ a tool for reintroducing meaning into mornings.

Things I care about:

Making meaning.

I see industrial design as a tool to serve others by creating delightful products that bring more meaning to our lives. I seek to help people do the things that matter, be it spending time with family, taking care of their health, or getting out there and making memories.

Experiencing everything.

I find the best way to create well is to gain insights firsthand. This means getting out there, meeting people, observing, questioning, and experiencing as much as possible. Inspiration can arise anywhere, which helps inform clever design directions.

Looking forward.

I love technology and innovation, but see a lot of room for improvement- namely in how we interact with it. As I graduate I am excited for the opportunity to lend my voice to the conversation, bringing about products that emphasize fulfilling experiences.

If you'd like to see more in depth design work, please visit my online portfolio:

www.mattmarchand.com