

Genetic conditions like arthrogyriposis, ataxia, autism, cerebra; palsy and Down syndrome have a wide variety of symptoms and no treatments. What they have in common is sufferers with food and chemical allergies; communication challenges; cognitive difficulties; use of multiple powerful drugs; physical health problems like early onsets of diabetes, stroke, dementia and heart disease; and, importantly, no hope. It is estimated there are one million people with these disabilities in California, ten million in America, fifty-five million in China and two hundred and fifty million – the population of Indonesia or Brazil – on our Planet Earth. Humans have about 24,000 protein-coding genes – if any one of 1400 of those malfunctions the impact on families, schools, medical infrastructure and government services is profound.

Teaching the venerable Chinese martial art Tai Chi Chuan will improve physical health, increase balance, provide an inclusive social environment and encourage life-long goals. Most martial arts have canonical sequences of movements known variously as kata, forms or sets, so an achievement-based curriculum that awards collegiate bachelor's and master's degrees has been defined. The recommended minimum two hour per day classes make use of mirrors, projectors and cameras so that a student is surrounded by images of a grandmaster performing. Using international competition standards and smart garments – sensors embedded in clothing - we will provide daily grades at the individual movement level. These are useful to the student and his or her teacher, but are most valuable as a statistical anchorpoint for physicians, social workers and families. Our experience has made it clear that it is useless to describe someone as 'autistic' or even to note that they have Van der Aa-Helmsmoortel syndrome due to a malfunctioning ADNP gene. Instead, it is necessary to determine exactly which deletion, mutation, translocation or nucleotide repetition someone has, and then to measure and compare velocities of learning in order to offer a basis for quantitative assessment of changes in diet, medications, sleep and behaviors.

Our HERON application software is about 40,000 lines of code and functions as an electronic diary for the hours students are not in class. Our SAITO application software is about 200,000 lines of code and handles the back-office aspects of school and student management. Detailed demographic and economic calculations from SAITO include a first-order build-out of 100 schools in 75 cities in California; 500 schools in 400 cities in the United States and 8,000 schools in 240 countries world-wide.

A short-term loan of less than \$40,000 is sought to build out a pilot school with the intention of teaching three two-hour long classes with 16 students and charging the relevant government organization \$200 per student per month for a gross income of \$9600. This would not include revenues from any evening or internet-based classes. The largest expenses would be rent for 2500 square feet, any loan repayments and, eventually, staff salaries.



On our elevator, which is a device that lifts people up, there are buttons for intelligence, compassion and courage. A longer, more detailed version can be found in the documents as Pitch_Deck_Long.