This project is the brain computer interface. This is the "Emotiv Epoc Headset."

The user places it on the head and it measures electric signals from the brain and we are able to move an object throughout the maze using the four key directional signals.

So the benefits to society are applications such as the wheelchair, so assisting disabled people to control their wheelchair with their mind.

My project is 'Total Perspective.'

The purpose of it is to eliminate the 'Sweet Spot' issue in audio.

So the 'Sweet Spot' is pretty much the perfect spot for listening to audio.

So what this does, it widens that area and makes it the whole room.

So it does not matter if you are on the left or the right, wherever you are in the room, and you are in the 'Sweet Spot.'

This product was sponsored by industry and next year, they will be taking it into the market.

My project is tremor detection with leap motion.

The leap motion controller in front of you is used to detect elements of tremor in people's hands.

First of it will help surgeons, they'll be able to see pre-surgery if their hands are steady enough to perform an operation.

It can help Parkinson's patients as well.
Current devices to test tremor cost hundreds of thousands of dollars.

The sensor cost's eighty dollars and that's it, it takes five minutes of your time.

I'm in a group called 'Minima Lab' and we've created a table called 'The Partable.'

So we created a portable, deployable, flexible and adjustable product. It has an inbuilt adjustable height.

It has a surface that can be used as a whiteboard or a digital surface.

'The Partable' is targeted at small, medium enterprises.

You can set it up as a partition in your office or use it as a stand alone desk.

It's not just a product, it is a system that can be deployed into the workspace.

In the future we can use the whiteboard as a digital surface or the tabletop here as an inductive charging surface.

This is an air purification device designed for Beijing, in areas in China where air pollution is just beyond liveable conditions.

When you are living in cities like Beijing, when you look out the window all you see is a brown smog.

So my product is designed to fit into the living room.

It's designed using photo catalytic oxidation for an air purification method which was developed by NASA.

You receive the relaxing view and you have that control over the window like you would as your regular window in your house.

Our project was techniques to reduce liquefaction potential.

Basically liquefaction is a temporary loss shear strength in soil.

When the soil is under dynamic loading such as an earthquake, it can have an effect on structures in high built up areas such as Christchurch, which was a recent example of that.

So basically what we did, we looked at mitigation techniques and how you can basically treat areas that could be affected by liquefaction.

Our project was the 'Toot Toot Toys' web development project.

The client was originally using a very outdated content management system.

We came in and introduced a new thing called 'Joomla.'
We then incorporated 'VirtueMart,' module or attachment onto it.

We wanted to simplify the process for the customers and also simplify it for him as well.

Our project is the 'Trumpet Smartphone App.'

So the 'Trumpet Smartphone App' is for a start up company called Trumpet.

They're looking to revolutionise the direct marketing industry.

Normally you would have to wade through a bunch of deals to get an offer that is interesting.

Whereas with our app, you sign up with your interests and where you live, and where you work and then we send you deals from businesses in the area.

So that way you're only getting the deals that are actually of interest to you.

We've made the apps and they are going to be launching that in early 2014.