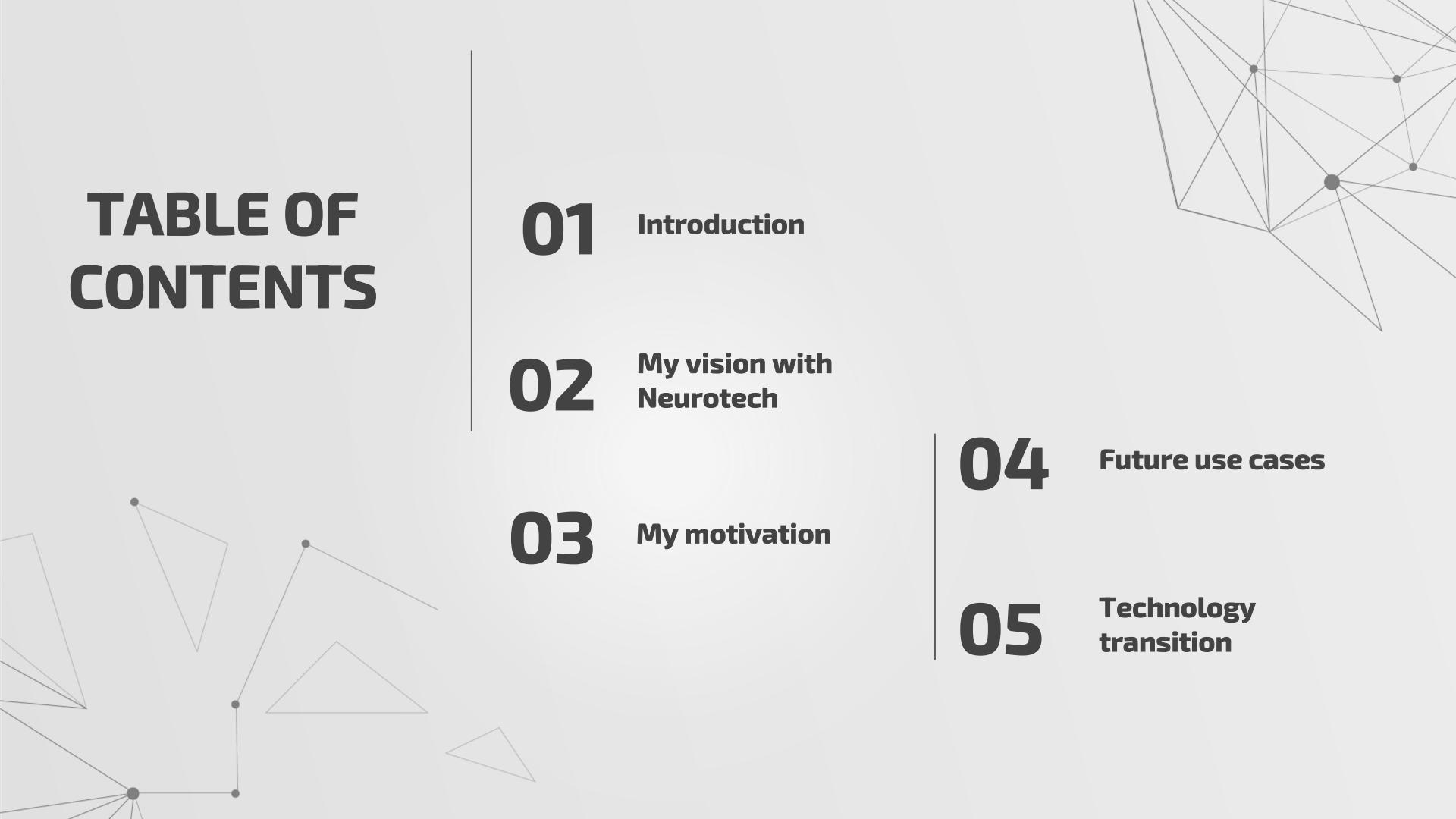
The background of the slide features a complex network of dark grey dots connected by thin grey lines, resembling a neural network or a social network. Scattered throughout the space are several light grey triangles of varying sizes, some pointing upwards and others downwards, creating a sense of motion and depth.

Picturing the future of Neurotech

Edited by Hayato Waki

TABLE OF CONTENTS

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- A faint, abstract network diagram consisting of several dark grey dots connected by thin grey lines, forming a complex web of triangles and polygons. It is positioned in the lower-left quadrant of the slide.
- 01** Introduction
 - 02** My vision with Neurotech
 - 03** My motivation

- 04** Future use cases
- 05** Technology transition

01

Introduction





Introduction

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<https://wakkihaya.com>

A senior student at University of Tsukuba.

Writer at [NeurotechJP](#)

Ex: Co-founder and engineer at startups
in Japan and U.S.



A complex network graph composed of numerous small, semi-transparent triangles and a few larger, solid dark grey circles. These nodes are interconnected by a dense web of thin, light-grey lines, creating a sense of a vast, interconnected system.

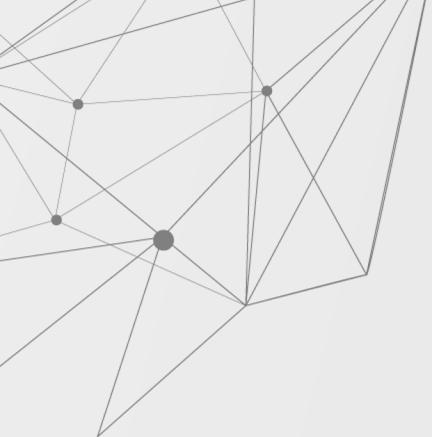
02

My vision with Neurotech



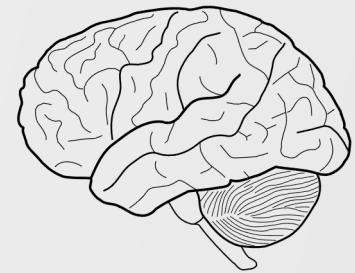
My life vision

**Become a person
who achieves Science-Fiction
with technology and creativity**



What I want to do with Neurotech in the future

**More connected
between people
by Neurotechnology**



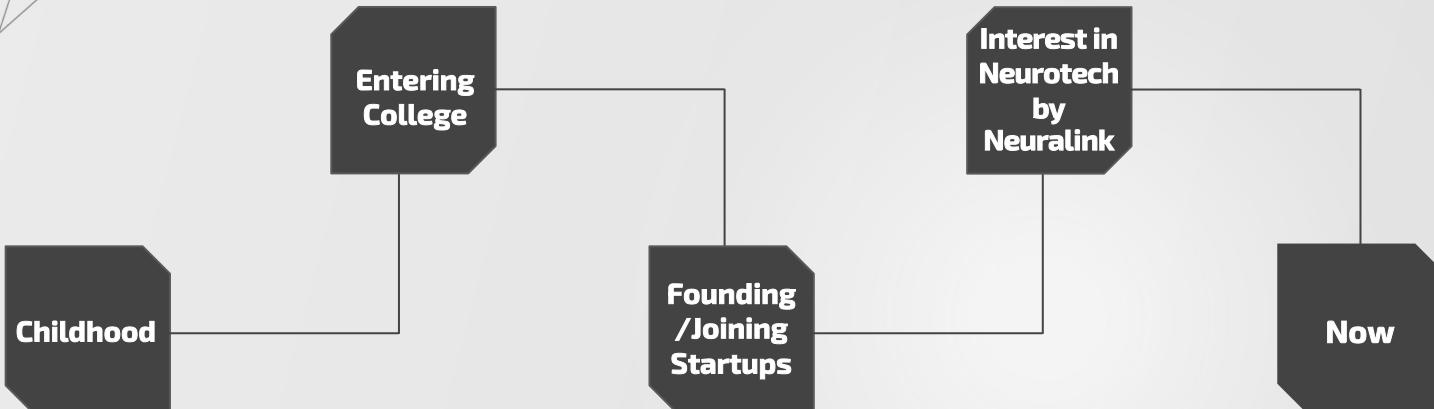
03

My motivation

My vision with Neurotech comes from this motivation.



Trajectory



Loved Sci-Fi movies.
My favorite one is
'Interstellar'.

Interested in consumer
region, especially
communication, because
I like networking.

"How to connect more and
easier?"
Believed that not text or
voice but mind is the best.

What I believe

Communication

Any actions to convey something like words, emotions, etc between humans



can be a new input system.

Our life

'Communication' is the base of our life. So if it changes, everything changes in our life.

E.g.

You use words to order foods at restaurants.
But, what if the word-communication changes?
What if you have a new way to convey emotions without using Instagram story?

Hardware

Hardware layer is below software layer and application layer.

BCI can be a new hardware layer.

Our life

New hardware will bring us new ways of input/output, and create a new platform for software.

E.g.

Smart phone: new platform for software
VR: new platform for software
Earphone: new audio input
Projector: new sight input

04

Future use cases

These might be not in near future,
but they are what I believe in and
want to do in the future.



Market transition

Now

- Medical purpose
- Education, Sports
- Meditation, Music, Sleep
- Neuro-marketing
- Entertainment

Future

C-to-C region
(e.g. Social media)

BCI(Neurotech) should be used as an interactive communication tool between consumers in the future.



Future use case 1

To stay connected with
your people online,

Now

Call, SNS on phone

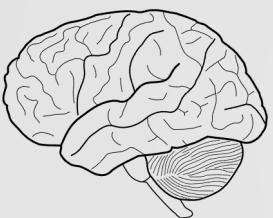
You type something on the
screen or do voice call
through a smart phone.

Future

Emotions & words by thoughts. Sharing same experiences.

Emotions and words using thoughts are
easier and more frequent to communicate.
You can feel eating the same foods as
others by neurostimulation even if you're
far away.

Future use case 2



Measure EEG and emotions
when you do actions, and train
the AI algorithm with those data.

AI can suggest empathic actions
to you by classifying real-time data
with an always-mounted device.

More humanized-AI



You might feel like that AI is a human, who suggests
something by your mood or emotions, like your mother.

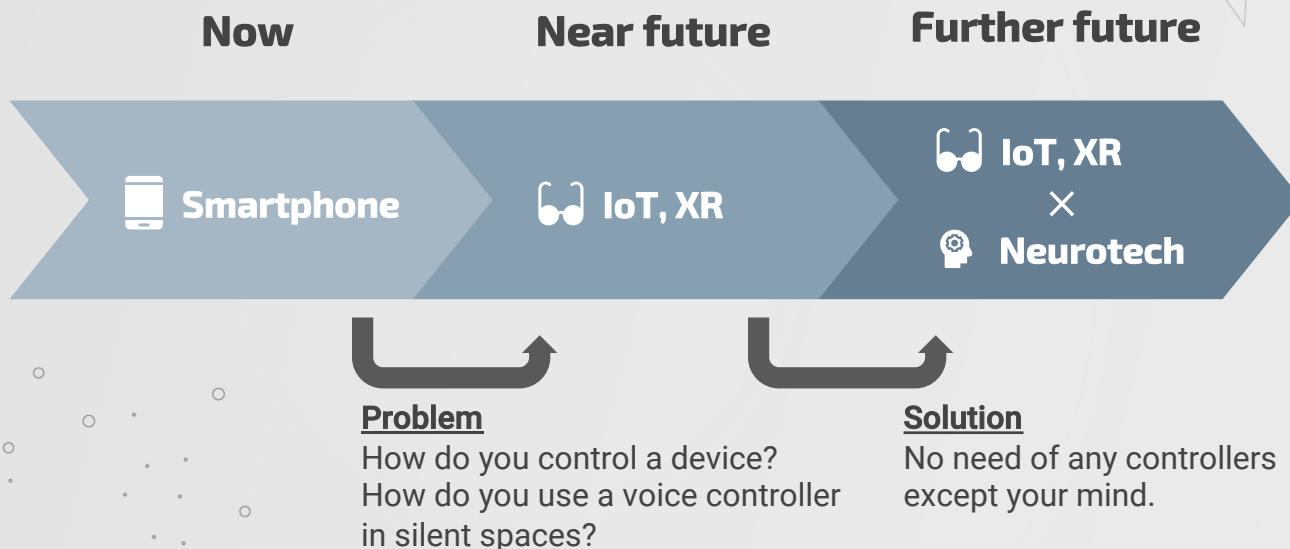
05

Technology transition

Explains about future of technology transition and problems that might happen then.



Hardware transition



Platform transition



More immersed in
VR with Neurotech



Neurotechnology transition



Non-invasive

- More compact & casual device
- Transfer learning for scalability
- More specialized on visual activity

Invasive

- Resolve ethical issues
- Clarify high-level brain function
- Resolve brain damages for long-term attachment.