

**Aito**  
Works at a semiconductor startup for energy-efficient designs  
30 years old 🇯🇵 Japan

# 2040 Future Visions, Shaped by Semiconductors



**Mirai**  
Digital art curator  
30 years old 🇯🇵 Japan

## Medical

High Blood Pressure Detected

Health check

Toilet

Ultra-thin

Personalized weekly plan based on health check results

Care robot

Continuous health monitoring

AI doctor

Overall health improvement  
Preventive healthcare becomes widespread.

Health and mood for the day

Menu

Grocery shopping

Drone delivery

Today's choice: Japanese cuisine!!

Balanced nutrition/ Reducing food waste

Easily enjoy seasonal foods

Scent reproduction and sharing

Share the same moment

Overcome time zone barriers

Cooking

XR Dining Experience

Innovative communication through dining experiences

## Food

Dish washing

Laundry

Cleaning robot

Bath cleaning

Autonomous smart home

Freedom from housework

Pollen alert

Need oxygen

Dream control

Air conditioning control

Monitor analysis

Today's recommendation


Reset while you sleep

Improving sleep quality

Outfit coordination

Sleep monitor

## Robotics



## PAI Personal AI



## Digital Twin Earth

A public platform for prediction and optimization

DATA

FB



## Work

Experience live performances of past artists through AI, holograms, and VR

More time thanks to AI  
Without losing productivity

Public service  
People + technology  
Well-being is maintained

AI suggests self-improvement

Exercise  
Quick trip to France!

Virtual travel is nice, but I still want to go in person!

Play a basketball game alone

Mental space is the ultimate luxury.

I want to see the Beatles!

Cultural lifestyle

Space travel

Easy overseas travel

Deep-sea tour

Evolution of work styles

Search and provide past information

With digital twin technology

Optimized transportation reduces congestion and eliminates traffic accidents

AI handles memory, records, and efficiency

Choose between on-site work and remote work depending on the situation

Avatar-based attendance

Robots perform the labor

Humans create a rich society through imagination and empathy

Hello, long time no see!

It's Mr. Kim - huh xX!

Hum... Who is this?

## Nature and Society

Planned and efficient environmental activities

Beach cleaning

Living in harmony with diverse species

AI-powered agriculture and fisheries

Utilizing Digital Twin Earth

Disaster alert

Accurate prediction of global natural disasters such as heavy rain

Efficient use of energy

Wind power generation

Renewable energy

Circular economy

Resource circulation

Efficient food production in harmony with nature

Space resource development

Space energy

Artificial photosynthesis