

我的AI學習之旅

2023高等教育改革論壇

林百里·廣達電腦 2023.8.26

內部參考



Quanta Computer

My journey with AI

- 1 **Start at NTU** 啟蒙於台大
- 2 **Inspired by MIT** 啟發在MIT
- 3 Build up **global** connection 放眼天下
- 4 **Broad** en the road ahead 前路是無限寬廣

內部參考



1

Start at NTU

啟蒙於台大

內部參考



Quantic Computer

1.1 1971 · My first computer Project



台大電機所 張煌教授

研究生
林百里

研究生
溫世仁

內部參考



1.2 Lesson Learned

1

Digital transformation
will be started

2

My **mission** is to become
a **good computer engineer**

内部参考



2

Inspired by MIT

啟發在MIT

內部參考



Quantic Computer

1.1 1999 · My first **Inspiration** by MIT



Professor Michael Dertouzos



内部參考

Project **Oxygen**: Pervasive Human-Centered Computing

2.2 Lesson Learned

1 Anyone - Anywhere - Anytime
needs **OXYGEN & COMPUTING**

2 Cloud data center is needed
to accomplish that

内部参考



2.3 2005 · First AI Project with CSAIL



内部參考

MIT Computer Science & Artificial Intelligence Laboratory

2.4 Lesson Learned

1

High performance computing is needed to accelerating AI

2

The next big thing will be AI transformation

内部參考

2.5 2007 · First AI Car Project with CSAIL

Quanta Computer



内部參考

2.6 Lesson Learned

1

AI computing will be used in the **autonomous car**

2

AI car computers need to be **smaller and faster**

内部參考



2.7 35 Years of Transformation

1988 **Mobile** COMPUTING Notebook **W # 1**

2000 **Cloud** COMPUTING Cloud Server **W # 1**

2016 **AI** COMPUTING AI Cloud Server **W # 1**

2022 **Super AI COMPUTING**
Hyper CONNECTIVITY **Smart X**
Smart **Manufacturing**
Smart **Mobility**
Smart **Medicine**



3

Build up global connection

放眼天下

内部参考



Quantic Computer

3.1 2018 · Quanta visited Nvidia



Barry Jensen CC

内部參考

3.2 Global AI Supply Chain



2016

First GPU server for OpenAI, GPT-1

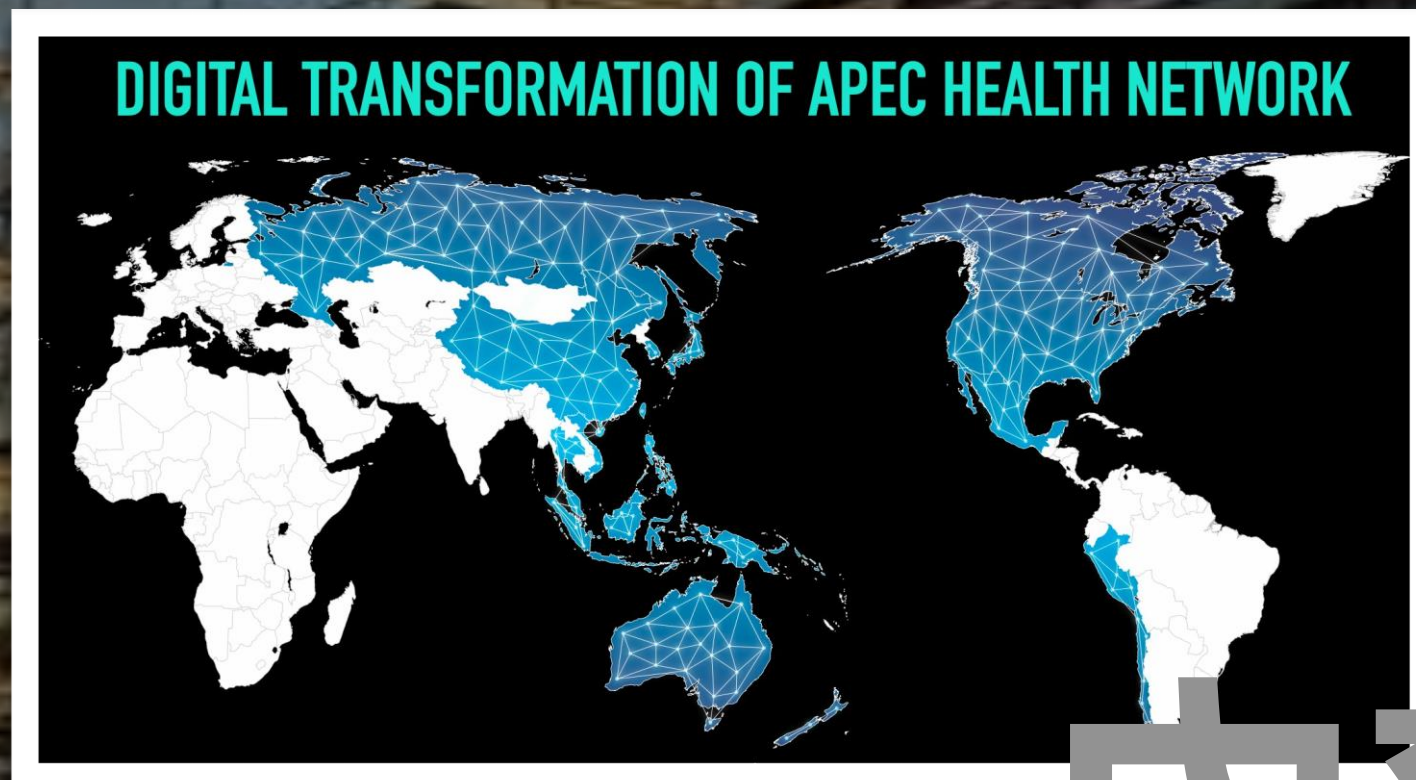
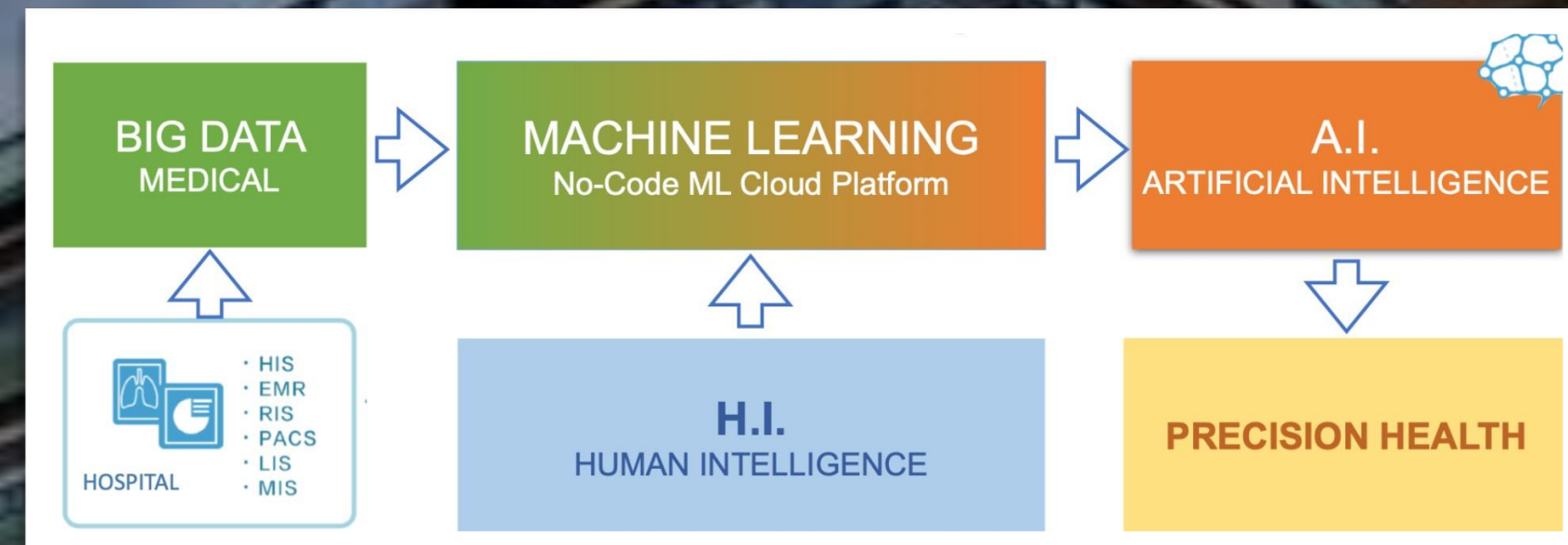


2023

World's First MGX AI appliance launched

内部参考

3.3 2023 - APEC Digital Health Network



ABAC **training workshop** (June) and **Digital Health Forum** (Nov) for 19 of 21 APEC members

Converting **Data Intelligence** into **Artificial Intelligence** for Smart Medicine

4

Broaden the road ahead

前路是無限寬廣

內部參考



Quantic Computer

4.1 Expectation for Higher Education

- 1. Start with **mission** 立志使命
- 2. Inspired by **passion** 啟發熱情
- 3. Build up **global vision** 全球視野
- 4. Braden the **road** ahead 前路是無限寬廣

內部參考



4.2 Rethinking Higher Education

TECHNOLOGY
change

生成式AI創新



BEHAVIOR
change

學習行為改變



BIZ MODEL
change

教育模式更新

內部參考



4.3 New Era of Generative AI in Education

内部参考

ANSERING

QUESTIONING

KNOWLEDGE-CENTRIC

LEARNER-CENTRIC

TEACHING

CO-PILOTING

EDUCATING

COACHING

LEARNING

UNLEARN-RELEARNING



4.4 What **AI CANNOT** TEACH

- AI would NOT teach you **MISSION**
- AI would NOT teach you **PASSION**
- AI would NOT teach you **VISION**

内部参考



内部参考

Thank You