



Artificial Intelligence & Economy



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- “Price Water Coopers” estimates AI deployment will add \$15.7 trillion to global GDP by 2030
- AI will undercut the economic advantage of developing countries:
CHEAP LABOR
- Problems of job losses and growing inequality both domestically and between countries

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- The development plan for a new generation of AI was published in July 2017 same as the White House plan, and spelled hundreds of industry specific applications of AI
- China's plan originated at the highest level but majors are the real action



Four Main Building Blocks


- Abundant data
- Entrepreneurs
- AI expertise
- Government support

The Four Waves of AI

- Internet AI
 - Business AI
 - Perception AI
 - Autonomous AI
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- These four waves feed different types of data

AI will Accelerate By Three Catalysts

- Many productivity-increasing AI products are just digital algorithms, replicable and distributable around the world
- The creation of venture capital industry
 - \$148 billion global venture funding in 2017
- AI will be the first GPT (General Purpose technologies) like steam engines, electricity, and ICTs which China stands with the west

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- From economic and security perspective, building computer chips (semiconductors for desktops, laptops, smart phones, tablets) is important
 - Actually dominated by Qualcomm (chipking), intel, NVidia, Horizon, Robotics, Bitmain, Cambricon Tech.

A New Social Contract

- With the development of “Deep Learning” massive productivity increase and disruption in the labor market
- This will require rewriting our social contract and restructuring our social incentives
- “ a social investment stipend by proposed by Kai-Fu-Lee”

Three Most Popular Suggestions for Adopting the AI Economy

- Retraining workers (skills)
- Reducing work hours (time)
- Redistributing income (compensation)