Artificial Intelligence in Finance at Hong Kong University of Science and Technology

Guest speaker – Brian Zheng

Brian Zheng

- Grew up in Shenzhen
- College in Chicago
- Working in Hong Kong





Northwestern University

My college

- Class of 2016, Northwestern University
- Bachelor of Arts in Mathematics and Economics
- Kellogg Certificate in Financial Economics









Internships



PricewaterhouseCoopers, Shenzhen

- Management Consulting internship
- Sophomore Year summer

Goldman Sachs, Chicago

- Private Wealth Management internship
- Junior Year spring



Full time career



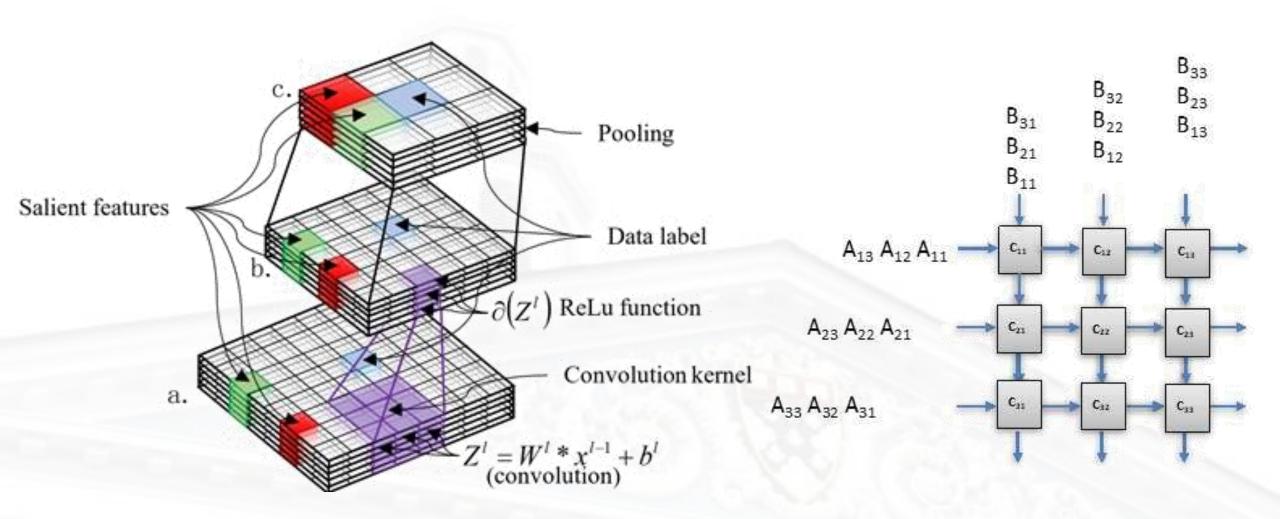
J.P. Morgan, Hong Kong

- Investment Banking Analyst, 2016 2019
- Investment Banking Summer Analyst, 2015

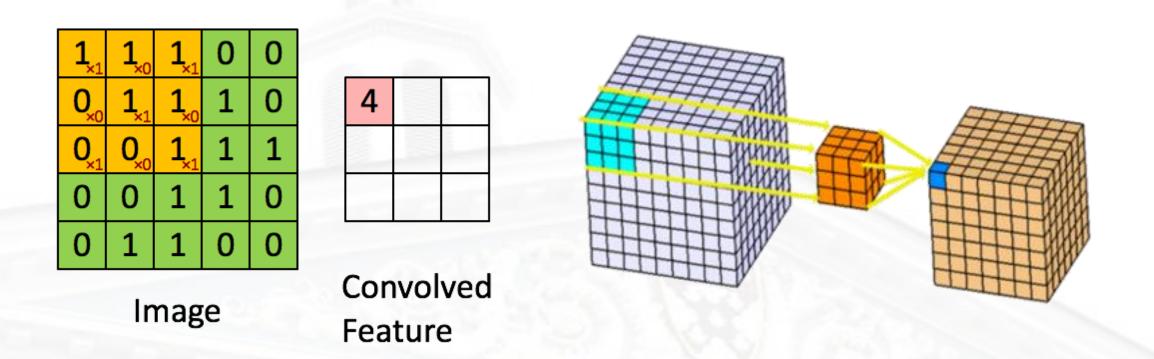
Alpha Intelligence Capital

Investment Associate

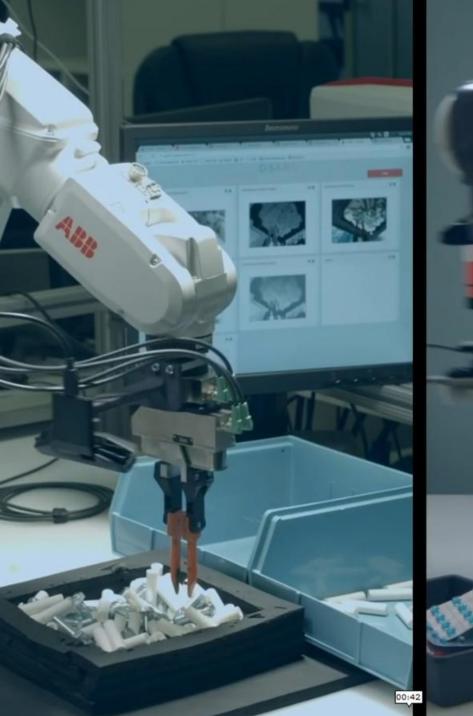




Convolution: 2D & 3D



Credits: https://leonardoaraujosantos.gitbooks.io/artificial-inteligence/content/convolution.html, https://www.kaggle.com/shivamb/3d-convolutions-understanding-use-case





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Teams

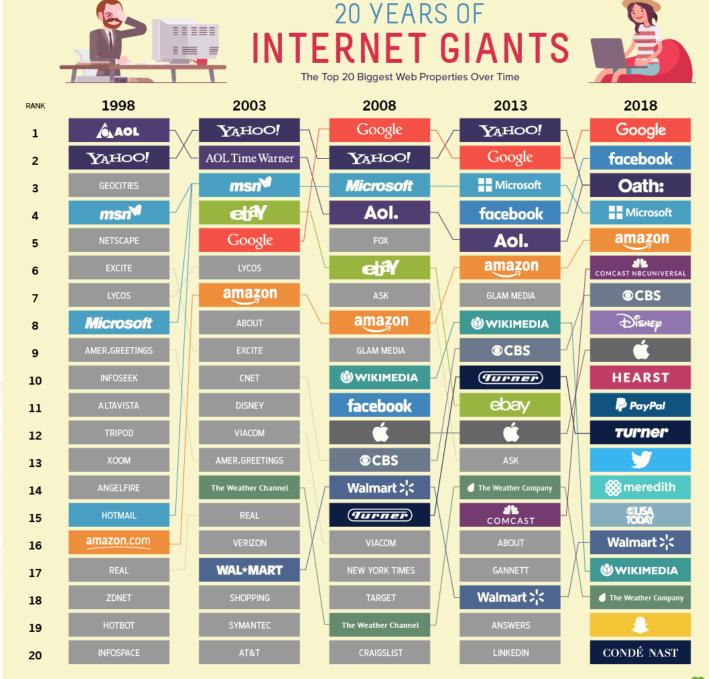
NEXT

We understand that building outstanding robotics is not only about having access to money and tech but also having access to the talent with the vision and ability to build future products.

Our people are our core strength, and building teams that consist of leading engineers and scientists from all over the world is our key priority.



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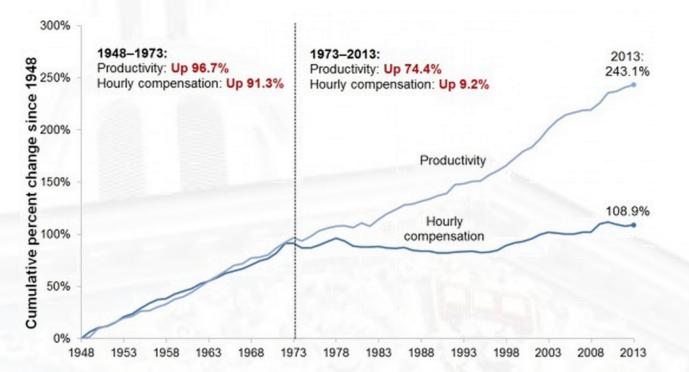
21 Jobs for 2018

High Quantum Machine Learning Analyst 0 Augmented Reality Journey Builder Master of Edge Computing Genetic Al-Assisted Healthcare Technician 0 Diversity O Officer Cyber City Analyst Tech-Centricity O Data Detective O Chief Trust Officer Financial Wellness Coach Genomic Portfolio Director O Data Broker Bring Your Own IT Facilitator 0 Man-Machine Teaming Manager Al Business Development Manager Highway Controller Ethical Sourcing Manager O Virtual Store Sherpa Fitness Commitment Counselor 0 O **Personal Memory Curator** Walker/Talker Low **Digital Tailor Time Horizon** 2028 2018 Within 5 years Within 10 years Low- to Mid-Tech Low- to Mid-Tech Mid- to High-Tech Mid- to High-Tech

Source: https://thetechrevolutionist.com/2017/12/ future-of-work-cognizant-shares-3csto.html

Workers produced much more, but typical workers' pay lagged far behind

Disconnect between productivity and typical worker's compensation, 1948–2013



Note: Data are for compensation (wages and benefits) of production/nonsupervisory workers in the private sector and net productivity of the total economy. "Net productivity" is the growth of output of goods and services less depreciation per hour worked.

Source: EPI analysis of Bureau of Labor Statistics and Bureau of Economic Analysis data

Updated from Figure A in *Raising America's Pay: Why It's Our Central Economic Policy Challenge*

Economic Policy Institute

