



From Any Background into Data Science!

Lecture 1

Presenter: Dmitry Volkov

BIO

Short biography

Education:

- 2015** Bauman Moscow State Technical University **BSc** in Materials Science
2019 **Focus:** Experimental Physics, Applied Materials and design
-
- 2019** **Skoltech MSc** in Computational Materials Science (GPA 5.0 / 5)
2021 **Focus:** Machine Learning, Quantum Mechanics, Statistical Physics
2021 **Skoltech PhD** in Computational Materials Science
present **Focus:** Machine Learning, Quantum Mechanics, Statistical Physics



Dmitry Volkov

Work Experience:

- 2021- 2023** **Data Analyst IT A&I P&G**
Focus: Machine Learning, Big Data processing, BI tools analytics
- 2023 present** **Data Scientist** at Yandex, department of AI and Machine learning
Focus: Neural networks, Machine Learning, Big Data processing



Hobbies:



Top 3% in rapid on lichess 1900 ELO
 10+ Hackathons
 1 time winner



My previous Company

P&G

6 NET SALES BY GEOGRAPHIC REGION



Company P&G

The Procter & Gamble Company (**P&G**) is an American multinational consumer goods corporation.

34 in Fortune 500 and top 1 world marketing company



My Company

P&G

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My Experience

Offers and Interviews

3 Years of
Data Analysis

>30 Passed
DS/ML
courses



20 Interviews on
DS positions

15 Offers on DS
positions



Daily life ML

How do we use ML daily

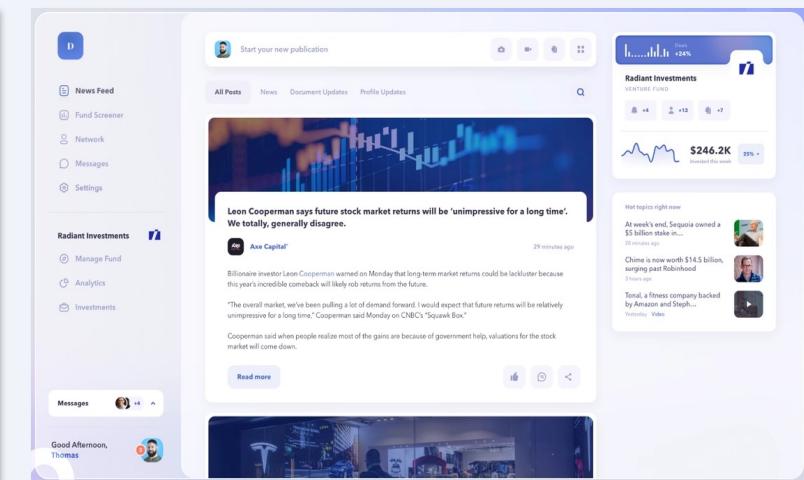
Face Recognition



Search Engines



Social Networks



Age of AI

A bit scary, isn't it?

Checkmate, Humans

The ancient Chinese game of Go was long considered a grand challenge for AI. Four years ago, two worlds collided when a legendary Go master took on an AI challenger for the first time ever.

Watch the whole story of AlphaGo for free, here: [#AtHomeWithAI](https://bit.ly/2Vya4zn)

4:06 PM · May 13, 2016

ALPHAGO 00:10:29
Lee Sedol 00:01:00

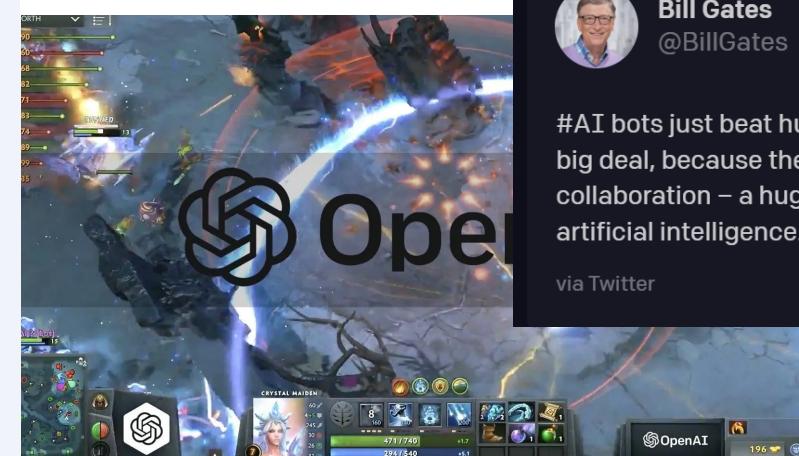
AlphaGo Google DeepMind



AI triumphs against the world's top pro team in strategy game Dota 2

It's the first time an AI has beat a world champion

By Kelsey Piper | Apr 13, 2019, 6:30pm EDT



Bill Gates
@BillGates

#AI bots just beat humans at the video game Dota 2. That's a big deal, because their victory required teamwork and collaboration – a huge milestone in advancing artificial intelligence.

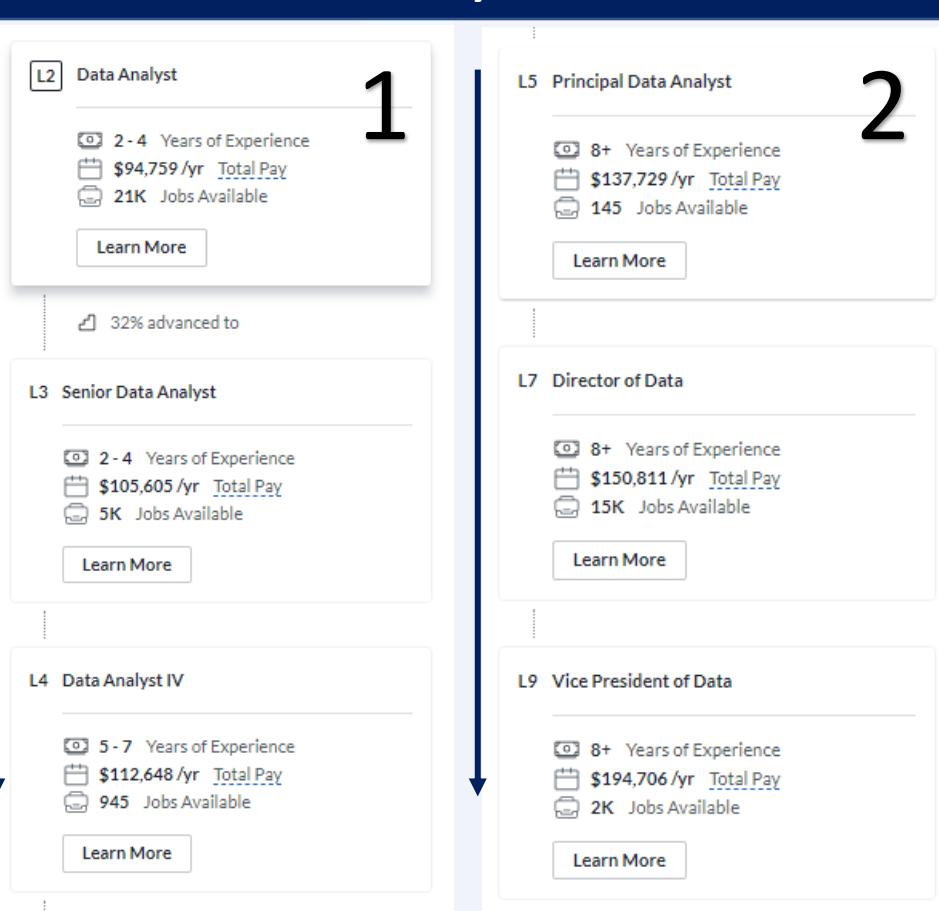
via Twitter



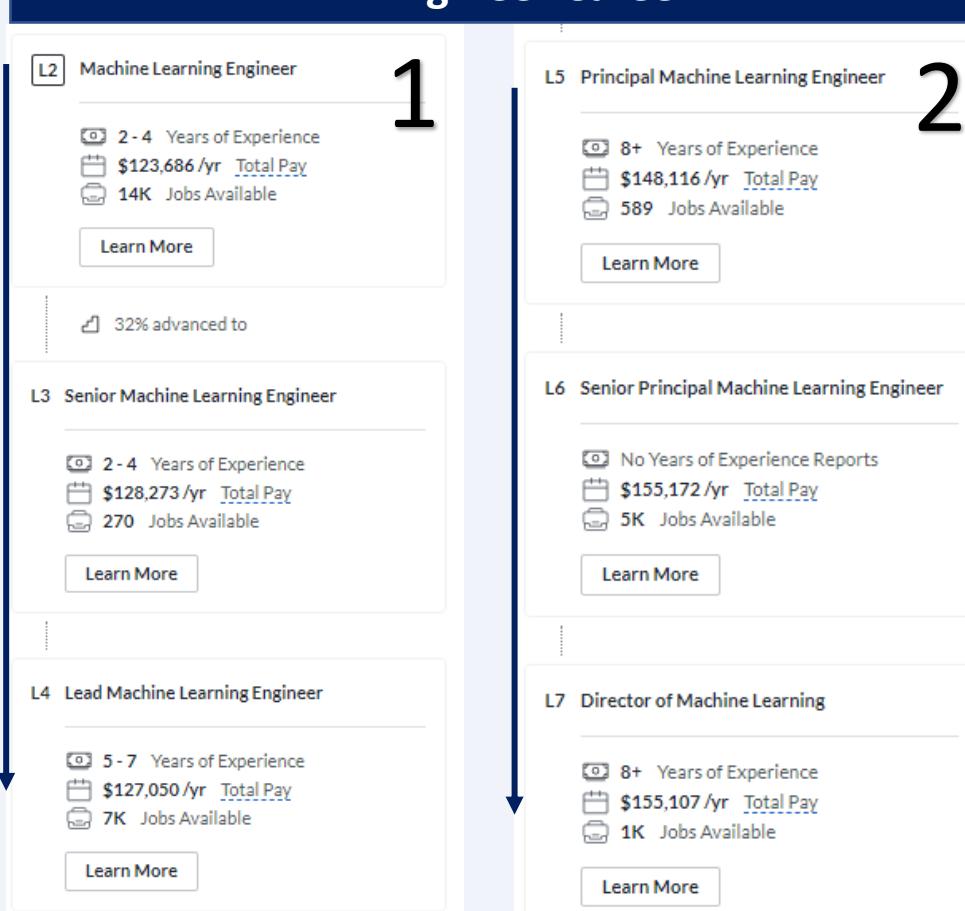
What is a benefits of being DS?

High compensations and rapid career growth

Data Analyst Career



ML Engineer Career



What is a benefits of being DS?

Partially or fully remote work



60%

of DS vacancies offers
fully remote work

86%

of DS vacancies offers
partially remote work

- You can easily combine DS career with your own project/study/other work.
- You can work for international company not leaving you hometown

What is a benefits of being DS?

10

Its just extremely interesting!

Choose you path:

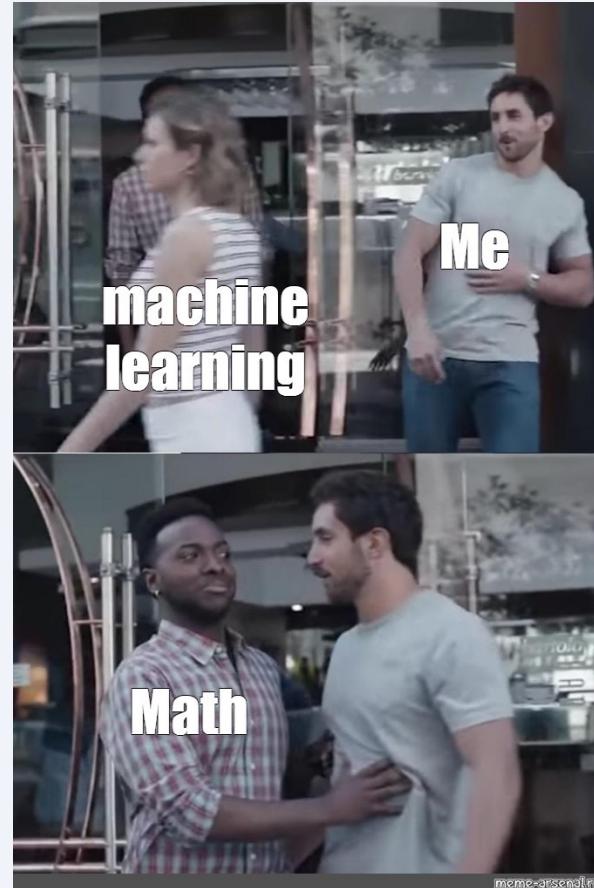
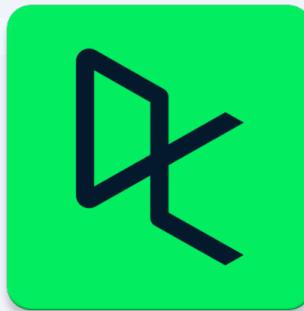
- Mining
- Banking
- Cryptocurrencies
- FMCG
- Space Engineering
- Automobile Industry
- EdTech
- Food Tech
- Dating
- Social Networks



How to get into Data Science?

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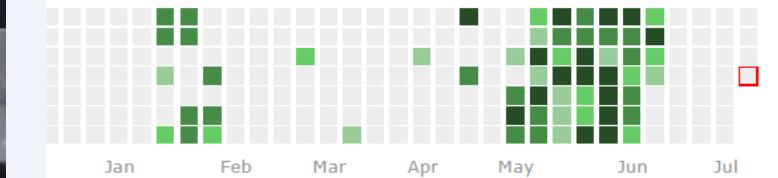
Learn, learn & learn ...



Dmitry Volkov

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How others see your profile



Jan Feb Mar Apr May Jun Jul

Next day will be at 00:00 UTC

42

longest streak

1468

problems solved

What should I start with?

12

First steps to pass intern/junior interview

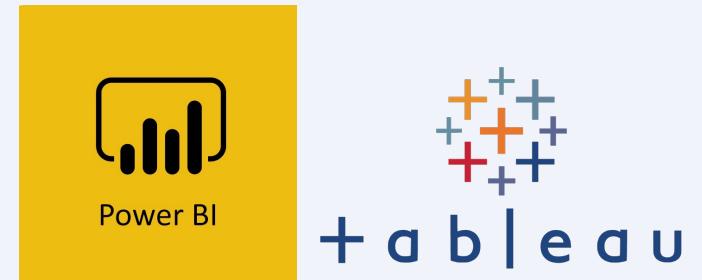
1. Databases



2. Programming



3. Visualization



4. Show results to Managers



Q&A

