



# Artificial Intelligence in Ukraine



Ministry  
of Digital Transformation  
of Ukraine

The Expert Committee on the Development of  
Artificial Intelligence of Ukraine

**Ukraine is**

**#1**

**in the number of companies  
developing AI in Eastern Europe**

Oxford Government  
AI Readiness Index 2020

# AI R&D centers of leading Tech companies in Ukraine / 2021



- 1000+ employees in Kyiv
- Smart home security systems
- Opened in 2016



- 200+ employees in Kyiv
- AR masks and related technologies
- Opened in 2016



- R&D centers in Kyiv and Odesa
- Rakuten Intelligence



- 450+ employees in Kyiv
- Enterprise intelligence
- Opened in 2017



- 600+ employees in Kyiv
- Adaptive, context-aware intelligent services for Samsung products
- Opened in 2009



- Opened in Kyiv in 2020
- Cloud computing and virtualization technologies



- Opened in Kyiv in 2021
- Focus on navigation

# World famous Ukrainian AI startups / 2021



- Founded in 2009
  - AI communication assistant (online grammar-checkin service)
- 📍 San Francisco (HQ), New York, Kyiv
- 💰 Raised \$200 million



- Founded in 2016
  - Revenue Intelligence System
- 📍 San Francisco (HQ), Kyiv
- 💰 Raised \$100 million



- Founded in 2006
  - Mobile facial recognition startup
- 💰 Acquired by Google in 2012 for \$40 million



- Founded in 2013
  - AI communication assistant (online Mobile app that does facial modification of photos in real time)
- 💰 Acquired by Snapchat in 2015 for \$150 million



- Founded in 2018
  - Mobile startup developing Computer Vision & AR products with focus on image and video recognition
- 💰 Acquired by Snapchat in 2019 for \$166 million



- Founded in 2006
  - Mobile facial recognition startup
- 💰 Acquired by Google in 2012 for \$40 million

# AI companies in/from Ukraine

## COMPUTER VISION

 3D LOOK

 APOSTERA

 AUGMENTED  
PIXELS

 CIKLUM  
EMPOWERING COLLABORATION

## NLP

 grammarly

 infopulse

 intellias

 Hey ML

## BIG DATA

 DataRobot

 N-iX

 J

 EDENLAB  
innovative laboratory

 FRESHCODE

 perfsys

 brightgrove

 intetics  
Where software concepts come alive

 FAYRIX

 intellias

 INTERSOG  
INNOVATIVE TECHNOLOGY

## OUTSOURCE

 eleks

 SoftServe

 N-iX

 GlobalLogic

 infopulse

 CIKLUM  
EMPOWERING COLLABORATION

 SIGMA  
Software

 epam

 vitech

 Provectus

 altexsoft  
software r&d engineering

## MACHINE LEARNING

 DataRobot

 ЛУН

 Preply

 M

 reSPEECHER

# STEM Education in Ukraine

~ 25 300  
IT graduates  
in 2020

State-sponsored  
graduates  
in STEM (in 2021):

~ 30 050  
bachelor

~ 14 000  
master

## KYIV



National Technical University "Igor Sikorsky Kyiv Polytechnic Institute"



National Aviation University



Taras Shevchenko Kyiv National University



State University of Telecommunications



National University of "Kyiv-Mohyla Academy"

## KHARKIV



National Technical University "Kharkiv Polytechnic Institute"



Kharkiv National University of Radio Electronics



Zhukovsky National Aerospace University "Kharkiv Aviation Institute"

## DNIPRO



Dnipro University of Technology



Oles Honchar Dnipro National University

## LVIV



Lviv Polytechnic National University



Ivan Franko National University of Lviv



Ukrainian Catholic University

## ODESA



Odesa National Polytechnic University



Odesa Mechnikov National University

## VINNYTSIA



Vinnytsia National Technical University

## TERNOPII



I.Puluj Ternopil National Technical University

## ZAPORIZHZHYA



Zaporizhzhya National Technical University

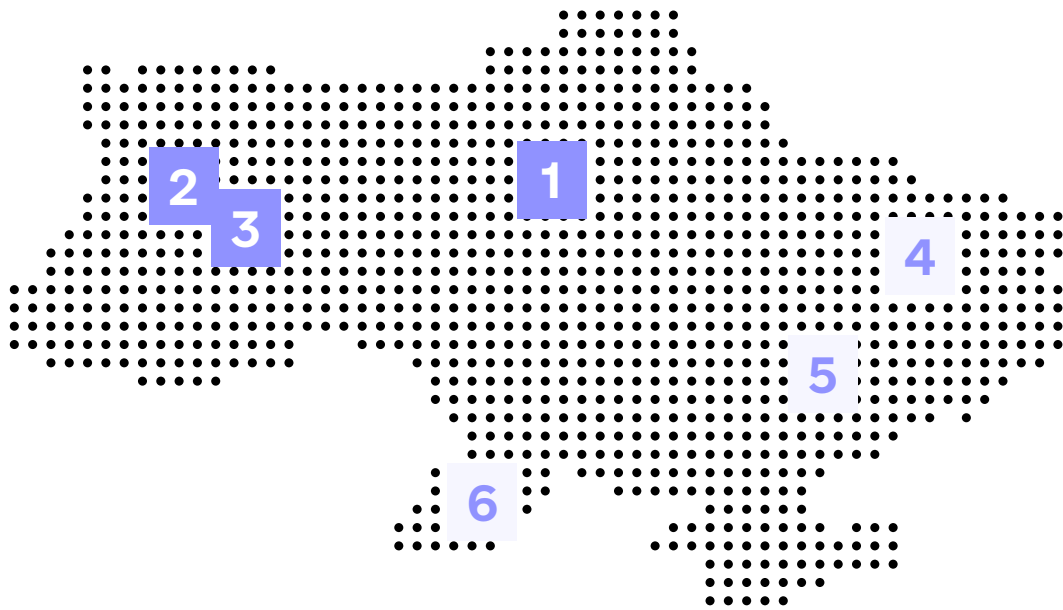
## MYKOLAIV



Petro Mohyla Black Sea National University

# Artificial Intelligence Labs

State-of-the-art learning, research and innovation spaces



- 1 Igor Sikorskyi Kyiv Polytechnic Institute
- 2 Ukrainian Catholic University
- 3 Ivan Franko Lviv National University
- 4 Kharkiv National University of Radioelectronics  
(in progress)
- 5 Zaporizhzhya National Technical University  
(in progress)
- 6 Odesa Mechnikov National University  
(in progress)

# LinkedIn Stats

 **9100 profiles**

search “big data engineer /  
researcher Ukraine”

Including 4500 with engineer /  
researcher title

 **3600 profiles**

search “computer vision  
Ukraine”

Including 1900 with engineer /  
researcher title

 **8200 profiles**

search “machine learning  
Ukraine”








Including 4600 with engineer /  
researcher title

 **1600 profiles**

search “NLP engineer /  
researcher Ukraine”



# Top AI Conferences in Ukraine

	EEECVC			DSMP	
30+	4	70+	30+	21	 SPEAKERS
800+	400+	3000+	500+	400	 PARTICIPANTS
2014	2015	2016	2018	2016	 ANNUALLY SINCE
Online	Online	Online	Online	Lviv	 LOCATION
30 Oct 2021	23-30 Jul 2020	20 Nov 2020	23 Oct 2021	21 Aug 2020	

# Ukraine's Governance in AI



Expert Committee on the Development of the Artificial Intelligence under the Ministry of Digital Transformation of Ukraine established in 2019



Concept of Artificial Intelligence Development adopted in 2020



Action Plan for the Implementation of the Concept on AI adopted in 2021



Signed up to OECD Principles on Artificial Intelligence in 2019



Member of the Council of Europe's Ad hoc Committee on Artificial Intelligence



National Research Foundation (2022 budget of 584 mln UAH) funds projects in AI



AI is a priority for the Ukrainian Startup Fund – 20+ projects in AI funded annually

# What's next?

Become a **Top 20 country**  
in Oxford Government AI Readiness Index

- ▶ More AI labs
- ▶ More engineers
- ▶ Better educational programs
- ▶ Comprehensive governance
- ▶ Non-restrictive regulation
- ▶ Well-funded research

# Contacts

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