Artificial Intelligence in 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
<table>
<thead>
<tr>
<th>Company</th>
<th>Employees</th>
<th>Location</th>
<th>Services</th>
<th>Founded in</th>
</tr>
</thead>
<tbody>
<tr>
<td>ring</td>
<td>1000+</td>
<td>Kyiv</td>
<td>Smart home security systems</td>
<td>2016</td>
</tr>
<tr>
<td>Amazon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Snapchat</td>
<td>200+</td>
<td>Kyiv</td>
<td>AR masks and related technologies</td>
<td>2016</td>
</tr>
<tr>
<td>Rakuten Viber</td>
<td></td>
<td>Kyiv and Odesa</td>
<td>R&amp;D centers</td>
<td></td>
</tr>
<tr>
<td>HUAWEI</td>
<td>450+</td>
<td>Kyiv</td>
<td>Enterprise intelligence</td>
<td>2017</td>
</tr>
<tr>
<td>Rakuten Intelligence</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Samsung</td>
<td>600+</td>
<td>Kyiv</td>
<td>Adaptive, context-aware intelligent services for Samsung products</td>
<td>2009</td>
</tr>
<tr>
<td>Google</td>
<td></td>
<td></td>
<td>Cloud computing and virtualization technologies</td>
<td>2020</td>
</tr>
<tr>
<td>Lyft</td>
<td></td>
<td></td>
<td>Focus on navigation</td>
<td>2021</td>
</tr>
</tbody>
</table>
## World famous Ukrainian AI startups / 2021

<table>
<thead>
<tr>
<th>Startup</th>
<th>Founded</th>
<th>Description</th>
<th>Location</th>
<th>Raised Funds</th>
<th>Acquired by</th>
<th>Acquired For</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grammarly</td>
<td>2009</td>
<td>AI communication assistant (online grammar-checkin service)</td>
<td>San Francisco (HQ), New York, Kyiv</td>
<td>$200 million</td>
<td></td>
<td></td>
</tr>
<tr>
<td>People.ai</td>
<td>2013</td>
<td>Revenue Intelligence System</td>
<td>San Francisco (HQ), Kyiv</td>
<td>$100 million</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viewdle</td>
<td>2006</td>
<td>Mobile facial recognition startup</td>
<td></td>
<td></td>
<td>Acquired by Google in 2012 for $40 million</td>
<td></td>
</tr>
<tr>
<td>Looksery</td>
<td>2018</td>
<td>Mobile startup developing Computer Vision &amp; AR products with focus on image and video recognition</td>
<td></td>
<td></td>
<td>Acquired by Snapchat in 2015 for $150 million</td>
<td></td>
</tr>
<tr>
<td>A1factory</td>
<td>2018</td>
<td>Mobile startup developing Computer Vision &amp; AR products with focus on image and video recognition</td>
<td></td>
<td></td>
<td>Acquired by Snapchat in 2019 for $166 million</td>
<td></td>
</tr>
<tr>
<td>Slice</td>
<td>2006</td>
<td>Mobile facial recognition startup</td>
<td></td>
<td></td>
<td>Acquired by Google in 2012 for $40 million</td>
<td></td>
</tr>
</tbody>
</table>
AI companies in/from Ukraine

**COMPUTER VISION**
- 3D LOOK
- AUGMENTED PICTURES
- APOSTERA
- CIKLUM

**BIG DATA**
- DataRobot
- N-iX
- EDENLAB
- FRESHCODE
- perfsys
- brightgrove
- intetics
- Flyrix
- intellias
- INTERSOFT

**OUTSOURCE**
- eleks
- SoftServe
- N-iX
- GlobalLogic
- infopulse
- CIKLUM
- ProIndia
- sigma
- Epam
- vitech
- Provectus
- altexsoft

**NLP**
- Grammarly
- infopulse
- intellias
- Hey ML

**MACHINE LEARNING**
- DataRobot
- ЛУН
- Preply
- resPeeker
STEM Education in Ukraine

~ 25 300 IT graduates in 2020

State-sponsored graduates in STEM (in 2021):

~ 30 050 bachelor

~ 14 000 master

Sources: Report on IT Education, Cabinet of Ministers of Ukraine, 2021
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

<table>
<thead>
<tr>
<th>Conference</th>
<th>Speakers</th>
<th>Participants</th>
<th>Year</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI Ukraine</td>
<td>30+</td>
<td>800+</td>
<td>2014</td>
<td>Online</td>
</tr>
<tr>
<td>EECVC</td>
<td>4</td>
<td>400+</td>
<td>2015</td>
<td>Online</td>
</tr>
<tr>
<td>Data Science UA</td>
<td>70+</td>
<td>3000+</td>
<td>2016</td>
<td>Online</td>
</tr>
<tr>
<td>DSMP</td>
<td>30+</td>
<td>500+</td>
<td>2018</td>
<td>Online</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td>2016</td>
<td>Lviv</td>
</tr>
</tbody>
</table>

- **AI Ukraine**: 30+ speakers, 800+ participants, annually since 2014, online location.
- **EECVC**: 4 speakers, 400+ participants, 2015, online location.
- **Data Science UA**: 70+ speakers, 3000+ participants, 2016, online location.
- **DSMP**: 30+ speakers, 500+ participants, 2018, online location.
- **DSMP**: 400 participants, 2016, Lviv location.

**Event Dates:**
- AI Ukraine: 30 Oct 2021
- EECVC: 23-30 Jul 2020
- Data Science UA: 20 Nov 2020
- DSMP: 23 Oct 2021
- DSMP: 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
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