OSYO king Al, software and design of the future.

Look into the future



Team

30+ employeesAward-winning scientists and UX designers20+ scientific publications

https://www.asya.ai/publications/







Over 20+ academic research project

Dr. Evalds Urtans has been leading BSc., MSc. and PhD. Students research projects for over 8 years in the domain of deep learning. Especially in Deep Metric Learning and zero-shot learning.





Comunity Data Science Latvia

Monthly AI paper reading meetups, gatherings for students from all research organizations in Latvia: RTU, LU, EDI, VeA, and more.



Project #1 – Solvent gradient optimization in Chromatography projects

AI models for finding solvent gradients to separate compounds in chromatography for analytical chemistry. Automatically executes experiments to reduce human resources from 2 weeks to 2 hours and achieve highquality separation for unknown substances. Partner: https://www.chromsword.com



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Project #2 – Detection of defects in wooden planks for automatic cutter.

Successful project in cola with medium size company to obtain high-precision AI models for detecting defects in wooden planks to automatically plan cutting and manufacturing processes. 70-99% precision to various classes of damage. **Published BDAI 2022**

Partner: http://www.zippyvision.com











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Project #3 – Detection of damage for car rental service using photos.

Successful project to segment different types of defects in cars using mobile phone after returning them to the rent and before re-selling. Especially difficult problem, because even human labelers cannot distinguish between reflections and dents. 0.88 IoU for scratches, dents, chips, dirt, rust. Partner: <u>http://www.scopetechnology.com</u>





Project #4 – Speech enhancement for microphone manufacturers.

Successful project with one of the largest microphone manufacturers in the region to denoise the audio signal in real time using deep learning models. Models can remove noises like: Sounds of speaker's feedback, Keyboard clicking, Traffic, Sounds of children in background, Other mechanical noises.

asya.ai PESQ: 2.595 krisp.ai PESQ: 2.266 (funding 17m USD) Partner: https://www.catchbox.com



Before (noisy audio)





After (clean audio)

Finished projects

Project #5 – Coverage and path planning for industrial cleaning robots.

Models can autonomously explore environment and do value-based policy planning 10x faster than classical, non-deep learning algorithms. Coverage planning taking in account physical limitations of robot maneuverability.

Published ICoIAS 2020 (our IP)





9

Finished projects

Project #6 – Point-cloud improvements using CycleGAN models.

Models that can fix poor point-cloud from poor hardware sensors into usable maps using CycleGAN type of models

Partner: NDA (USA company)





Project #5 – Analytics and motivation for sales force.

What technology achieves:

- Monitoring and analyzing audio recordings of sales force
- Improving the effectiveness of verbal communications
- Training and performance evaluation of sales personnel
- Motivation for reaching KPIs

Pitch Patterns





Pitch Patterns

Conversation | Pitch Patterns × +

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C app.pitchpatterns.com/conversation/33c61318-3709-450e-a3f6-579cc9cce3a2

Analysis



Emotion patterns



See conversations





Video or Recordings audio call

Manual process





Manual selection takes time,

Coaching, hard to measure impact, takes

Automated process



All recordings listened automatically

Video or audio call linked with CRM automatically

Calls flagged, reports generated automatically. Time saved.

Measurable process rates.



Tracking Soft-skills



Check the performance of the whole sales team at one glance.

Check different type of key conversational metrics to find out what drives sales.

Ú	Chrome	File	Edit	View	History	Bookmarks	Profiles	Tab	Window	Help	
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Pitch Patterns

PATIENCE

Track conversational metrics set

against your desired goals.

✓ Last 7 days

Comparing Detailed CONVERSATION AVERAG V NO SPH YES YES % COUNT MONOLO 6.68 821 31% 339 153 00:15 7.36 671 37% 255 152 00:17 5.43 583 241 119 33% 00:21 7.94 497 188 42% 140 00:18 7.72 210 95 32 25% 00:13 0.0 0 0% 0 0 00:00 0 0.0 0% 0 0 00:00

MacBook

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Tracking hard-skills

Markers		
Positive <u>Sisues</u> No Marker	Content	Emotions
1 I Negative tone of voice	0	Me Partner

Markers

See issues automatically marked. Save time by knowing where to focus attention first.

Meta analysis

See which emotional moments happened at what exact time moments.

Analysis



Topics

Agent		Clie	ent		Summary	
41%	Pricing	2	:5%	Pricing	80%	Pricin
26%	Features	4	8%	Features	50%	Featu
16%	Introduction	1	7%	Introduction	25%	Introc





Flag problematic Calls



Project #5 – Analytics and motivation for sales force.

What technology achieves:

- Monitoring and analyzing audio recordings of sales force
- Improving the effectiveness of verbal communications
- Training and performance evaluation of sales personnel
- Motivation for reaching KPIs

Pitch Patterns







Leaderboards system for motivation



	RANK NAME	XP POINTS IN THIS PERIOD	CHANGES THIS WEEK
	1 🛛 🌏 Madara Doniela-Homenko	2500	_{xP} +0
	2 Ju Juris Balinskis	2300	_{хР} +0
	3 📦 leva Rone	2230	_{xP} +400
~	4 Ar Artjoms Mihailovs	2150	_{xp} +860

Our clients







ERDIKTS PARTNERIS PARĂDU ATGŪŠANĂ



ARCO REAL ESTATE

39ICI9 Insurance





LATVIA STATE RADIO AND TELEVISION CENTER

PRINTFUL RĪGAS **ÜDENS**

Our own models and datasets

Low quality 8-16kHz audio 32bit float

Denoiser & speech enhancement model

asya.ai PESQ: 2.595 krisp.ai PESQ: 2.266

VoceID models

Emotions form tone of voice, face, sentiment, laughter



asya.ai WER: 20%, CER: 10% Tilde WER: 44%, CER: 25%

Topic classification

Flagging models











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Project #6 – Document search, validation and preparation.

What technology achieves:

- Document search using meaning and not only keywords
- Automatic validation of documents using company criteria and rules
- Automatic drafts of emails and documents with specific clients' data
- Smart assistants based on Natural Language



Kā atteikties no interneta?

C

Ja vēlies atteikties no Tet interneta pakalpojuma, izmanto saziņas formu Tet.lv mājaslapā. Saziņas formā izvēlies tēmu Atteikums no pakalpojumiem un norādi, ka vēlies atteikties no interneta. Pēc tam uzraksti vēstuli un spied pogu Nosūtīt. Pēc 30 dienām no brīža, kad Abonents atteicies no pakalpojuma un rakstveidā par to paziņo Tet autorizējoties Tet.lv/Mans konts vai ierodoties personīgi jebkurā Tet veikalā, pakalpojuma abonēšanas maksa tiek aprēķināta par visu periodu līdz Līguma izbeigšanas brīdim.

Atteikšanās no pakalpojuma



Project #6 – Document search, validation and preparation.

What technology achieves:

- Document search using meaning and not only keywords
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Finished projects

"The disruption potential for Asya app could be immense. In many countries, psychological services are either difficult to find, cost prohibitive or both."

Project #7 – "Closer to you" – couple's therapy app

Over 60k users, featured as Apple "App of the day" in many countries. Paid subscription business model. Al models for best conversation topics and emotion tracing.

Our product ~ 1500 EUR/MRR https://apps.apple.com/us/app/closer-to-you-couplegame/id1326344785

Forbes



Finished projects

Project #8 – "Our.Love" – couple's app

Repackaging and improving "Closer to you" app for American market.

Partner: https://www.our.love (shared IP)



ontinue





In-progress projects

Project #9 – "Grāmatiņš", Grammarly for Baltic languages

Over 60k users, featured as Apple "App of the day" in many countries. Paid subscription business model. Market potential 5-8m EUR. Then focusing on other smaller languages in eastern Europe and Africa.

Our product http://gramatins.lv/



Kontakti

PIETEIKTIES

Tavs ātrais Latviešu valodas palīgs

Grāmatiņš pārbauda tavu pareizrakstību, stilu un gramatiku. ... nevis tas mākslīgais intelekts 😌 🚍







In-progress projects

Project #10 – "Algo", Math app for 5–12year-olds

Story-based, engaging math app for kids, models to predict personalized tasks to help advance mathematical knowledge. Currently testing in Latvia, global market potential 100m USD+ (largest competitor http://adaptedmind.com) Our product http://www.algo.lv







Pieejama lejupielādei iOS un Android





STĀSTS

Kādu dienu lāciša Algo mežā nokrita lidmašīna. No tās ar izpletni izleca sunītis vārdā Falkons. Algo palīdz Falkonam uzbūvū lidmašīnu no atlūzām un citām lietām, kura viņi kopā atrod mežā, taču, lai uzbūvētu lidmašīnu nepieciešamas matemātikas zināšanas.



Main product

Project #11 – pitchpatterns.com automated call analysis for sales teams

Most advanced of our projects with most potential for spinoff for VC backed round at this stage. Sales team of 5 people dedicated to this product.

Our product ~ 3000 EUR/MRR (growing) http://pitchpatterns.com

