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Man

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Other website: <https://icivi.github.io>

Resides: Moscow, Begovaya

metro station Citizenship: Russia, has a work permit: Russia

Ready to move: St. Petersburg, ready for business trips

Desired position and salary **Neural**

networks, large models. Leading specialist of the Artificial Intelligence Department

250,000

Specializations: — Programmer, developer — System administrator

— Director of

Information Technology (CIO) —

Scientific specialist, researcher

Employment: full-time, part-time, project work Work schedule: full-time, shift schedule, flexible schedule, remote work, rotational method Desired travel time to work: does not matter

Work experience: 24 years 11 months

August 2015 — present 8 years 6 months

Attention Is All You Need. To quickly start cooperation, you do not have to be a large federal company or ministry. A specific task is enough. Please, get to the point. IciviLab Neural network Moscow, IciviLab St. Petersburg [Moscow, icivi.github.io](https://icivi.github.io) Educational institutions

- Research, scientific, academic activities

Information technology, system integration, Internet

- Software development • System integration, automation of technological and business processes of the enterprise, IT consulting

Electronics, instrumentation, household appliances, computers and office equipment

- Electronic computing, optical, instrumentation, radio electronics, automation (production)

Leading specialist and chief designer of products for large neural network models, coder, organizer

!See screenshots below in the Portfolio section.

My main difference: I check all my work in practice, my GPUs are never idle and always train the model 24/7, that is, in my work I am not only a politician, organizer and modeler of Advanced Intelligent AI blocks.

Almost ready Strong Artificial Intelligence of our own development (potential level higher than Llama2, Mixtral-8x7B and Mistral with the possibility of reaching the OpenAI level) 70Gb and there are many tiny versions of 8Gb, tailored to the task, system, production, strategy,

department Demonstrations upon request.

The demo is much superior to its analogues, but it's still "clumsy" in places, a lot has to be done "Galloping across Europe", that's why I'm here - it's a desire to narrow the scope of activity, a desire to work within the system. I'll show you the results of what my Artificial Intelligence does:

Everything Ours is not about the text at all. When Artificial Intelligence can speak sensibly, this means that with a little modification it can create, manage, see, design, code, organize, manage factories, systems, equipment, machines (see plugins for ChatGPT from OpenAI), as well as (!) to design the future.

An example of a response from a small version of our AI:

"To create an AI-powered project, it's important to have a clear understanding of the project's goals and objectives. This includes identifying the key stakeholders, defining the project's scope, and identifying the resources needed to execute the project."

"To create a successful project, it's important to not only have a great idea, but also to effectively communicate it to potential investors. Here are some steps to help you showcase your project to potential investors:

1. Create a clear and concise project proposal that outlines the problem your project solves, the target market, and the potential revenue streams.
2. Develop a strong elevator pitch that can be used to quickly and effectively communicate the key points of your project to potential investors.

The text you provided is discussing the concept of "modality" in text analysis, which refers to the ability of text to group and organize information based on similarities and patterns. The text also mentions the importance of understanding the modality of text in order to effectively analyze and organize textual data.

... discusses the idea of using "umbrella models" to sell products, which involves leveraging the power of AI to create a more scalable and efficient approach to product sales. The goal is to make the product accessible to a wider audience, including non-technical users.

...emphasizes the importance of using "smart" and "efficient" strategies to achieve success in business, rather than relying on traditional, time-consuming methods. The text suggests that successful business people are those who are able to think outside the box and come up with innovative solutions to problems.

... highlights the importance of using AI and other advanced technologies to improve the way we analyze and organize textual data...

... is a great example of how to create a more inclusive and diverse workplace. It highlights the importance of diversity and inclusion in the workplace, and how it can lead to better outcomes for both individuals and organizations. The text also emphasizes the need for collaboration and teamwork, as well as the importance of continuous learning and development.

...creating a more inclusive and diverse workplace requires a shift in mindset and a willingness to embrace change. It also highlights the importance of building strong relationships and partnerships, as well as the need for ongoing learning"

Feature of my models: See the issue during Fit model. The model "reads and hears" the word, as I use multimodality. This is one of the keys to deep understanding. Also, evasive tokens did not disrupt the generation of the model: model fit, stage 2, 30%:

"The second most important modality for creating intelligent text is natural language processing (NLP). NLP involves the use of algorithms and machine learning techniques to analyze and understand human language. It involves tasks such as sentiment analysis, named entity recognition, and text classification. To combine NLP without a teacher, you can use a combination of supervised and unsupervised learning techniques. Supervised learning involves training a model on labeled data, while unsupervised learning involves training a model on unlabeled data. By combining these techniques, you can create a model that can learn..."

The department will benefit most from my role as senior specialist. Fully prepared to manage large groups and teams. We get straight to the task, speaking the same language, understanding the advanced intricacies of Strong AI.

I analyzed all the advantages, disadvantages of working with personnel from the hiring departments of large companies and the problems of higher educational institutions in countries (not only universities in the Russian Federation, but also the EU and the USA are becoming deeply outdated). I know all the intricacies of how to gather hackers and directors into teams, where to find them, how to organize them (we will replace outdated interviews, incompetent and not exactly relevant tests, 'funnels', etc. outdated tools of departments, HR, company and government recruiting systems. structures.)

I am excited about the opportunity to bring my skills and experience to a national project and am confident that I will be able to make a significant contribution to the teams. Thank you for considering my candidacy!

I'm on Large Generative Models (7 - 175Gb). Additional training, Training from 0 and complete creation of Models of the latest generations. We make AGI out of them the same way... and whatever. From production, video, sound, voice to managing the System, equipment, plant, strategy and tactics.

Are we developing a 'General, Strong' Artificial? - Yes, it's always in the center. We allocate time for Super-AI systematically, more than 10 years.

Development of an analogue of Chat GPT + implementer, based on the latest developments 1)
Closed proprietary 2) Using
the latest world experience.

This is the central research for leveling. In practice, we do everything. We don't have the phrase "It's impossible," . always State-of-the-art

we work with TensorFlow, Keras, PyTorch, Scikit-learn, Python, class LlamaAttention(), class Attention(), class LlamaRotaryEmbedding() (HR: these are the main building blocks of artificial intelligence, tools for implementing neural networks into a product.)

'Attention Is All You Need'
article - <https://arxiv.org/abs/1706.03762>

ChatGPT, Claude 2, Bing AI, Bard - analogues

Neural networks - I cut, mix, combine, train any Transformers,
Llama2, Vicuna, Mistral, BERT

I use everything from OpenAI (implementation of ChatGPT in programs - API, encoders.

Own neural networks are analogues of ChatGPT in equipment and systems.

all Hugging Face 300k+ models:

AI, chat bots, text,

I make neural networks, installations: in microcomputers, boards, drones, cars, cars, machine tools.

MidJourney, DALL-E, Stable Diffusion in any variant. I make virtual video, sound, image using neural networks.

- everything Hugging Face

AI on Geforce with mem GPU 16, 24, 40 Gb:

Optimized and compressed AI models, _for putting

AI into small machines_ Model Pruning, decimation, quantization 3, 4, 5, 6 and 8-bit: GPTQ, GGML, GGUF, quantized models with

CPU+GPU inference and memory distribution between CPU MEM and GPU MEM.

Hugging Face Transformer PEFT, Accelerate, Optimum for large models - LLMs.

I quantize full Hugging Face models (LLama2 family) in GPTQ, GGUF so that they fit into GPUs with 16Gb - 100Gb.

Prompts - engineering, •

chains and trees of thoughts for LLMs: CoT, Tree of Thoughts ToT, Self-Consistency, LangChain

Personal Improved ChatGPT (or LLama2) + surfing the

robot on the Internet, + conversation memory + with fresh data + loading your data into ChatGPT - including

video,

sound,

images, +

recognition by deep meaning and more.

- Upload your personal videos, images, data and documents to ChatGPT and LLMs (your own ChatGPT)

Fine-tuning (additional training, correction) models with PEFT, Lora / QLora on top of LLama2 derivatives. (In fact, as a professional, instead of Lora / QLora, I use more appropriate and high-quality expanders for the task. Yes, this is a little architecture and labor, but the difference cannot be compared)

Vector database, Your personal

search by _Meaning_, and not just by words

+

Russian, English, German and multilingual Embeddings.

Video search systems on Youtube.

Neural networks on GPU, CPU, via API, via cloud technologies (Cloud GPU) or via a remote Linux host.

Examples of loading into ChatGPT, Llama2, etc. based on Transformers Attention: - images, video

- stream from cameras

- corporate data - your research

+ scientific articles arXiv (... and develop automatically Superintelligent AI for example) - Your personal routine, work + Free

ChatGPT

assistant.

- News, new solutions and technologies.

Creation of neural networks - more than 10 years.

Wide experience, recent work:

* Creation of AI models - assistants to Implementers or managers (mini-computer and drones, machines, factory, in management, control, etc.) *

Assembly from ready-made blocks of intelligent AI.

... and if not ready:

* Creating intelligent AI blocks.

Previously:

1) Search engine • More

than 100 billion rows in the database. •

Search by video, speech, sound, website, post and recognition •

Hugging Face 300K+ models for Search engines and AI. •

Distribution of threads across dozens of GPUs.

2) VST on neural networks for creating music, sound, MIDI, samples. Customer - music studio, Moscow city.

3) ML for IR night vision devices - setting IR microbolometers to the weather, recognition, etc. The customer is a manufacturer of devices - thermal imagers, Moscow.

- Generalist: I work as a programmer, a specialist in modeling, design and as an organizer and manager of implementation (dev-coworking), in some places I have to work and as an entrepreneur and as a director...

- Experience in creating a product using neural networks.
- Ability to independently conduct research.
- I am excellent at reading other people's code and using ready-made work (GitHub).
- English.
- I write scripts and complex queries to SQL databases.
- Level of English up to scientific articles, very technical (AI, ML).
- REST API work and development.
- All website technologies, https://
- ensuring uninterrupted operation of servers.
- Knowledge of mathematical statistics and probability theory.
- Experience with Git.
- Knowledge of Linux commands,
- Administration of servers remotely, via SSH, etc.

spheres:

- oil and gas production
- banks
- medicine
- air and railway technologies
- games, bots
- video, animation, music • for robots, autopilots, drones, microcomputers, microcontrollers, mobiles, etc.

- Scientific activities and AI innovative research, General AI.
- Collective Intelligence, Universal AI, Artificial General Intelligence, Advanced Neural Network Models.

Modeling blocks of Strong Artificial Intelligence - more than 9 years (since 2014)

Telegram @icivilab or <https://t.me/icivilab> tel:89633123320

April 1999 —
present 24 years 10

Icivi Brain Research lab. Brain research for AI development (microorganization) icivi.github.io

months

Cognitive researcher for AI (memory, brain, human and animal behavior)

Second Brain Researcher. Research, conclusions, analysis on memory, brain and development of human abilities for AI.

July 2012 —
November
2018 6 years 5 months

Icivi company, exchange investment department

Moscow, www.moex.com

Financial sector •

Management, investment company (asset management)

Supervisor

Asset Management. Head of the team for the development of trading exchange market makers.

March 1999 - May
2009
10 years 3 months

Freelance, individual entrepreneur, service: Servers for trading robots and websites (Linux, Windows), workstations (Windows)

Moscow

Linux and Windows system administrator, IT specialist

Ensuring uninterrupted operation. Installation, configuration. Upgrade, update of equipment and software. System administration of Linux and Windows servers and workstations. All IT work for offices and studios. Full hardware maintenance - PC, servers, network and software.

Education

PhD

1999

Specially designed education and many years of experience Information is closed and not disclosed., Large artificial intelligence models

key skills

Knowledge of languages

Russian - Native

English - B1 - Intermediate

Skills

Strong Artificial Intelligence Neural Networks Machine Learning

Machine Learning Deep Learning Big Data Keras Data Scientist Artificial

Intelligence Modeling Multimodal Neural

Networks Advanced Machine Learning

Artificial Intelligence Research General Artificial Intelligence Head

Design of neural networks ChatGPT Stable Diffusion MidJourney

GPT-Engineer AutoGPT Hugging Face LangChain Transformers

Tree of Thoughts LLM PyTorch TensorFlow Attention Llama Mistral

Large language model generators

Additional Information

About me

Post your tasks in Telegram icivila, it will be closer to the point - <https://t.me/icivilab>.

you can via <https://kwork.ru/script-programming/22747876/sozdam-neyronnuyu-set-iskusstve-nniy-intellekt-na-zakaz> (in the cart, call)

An example of a response from Artificial Intelligence of its own design:

The text you provided is an example of a text that can be analyzed using a clustering algorithm to group similar texts together based on their content and structure. Clustering algorithms can be used to identify patterns and structures in text data without pre-defined categories or labels.

In this example, the text describes the challenges of managing a large-scale project and the importance of finding innovative solutions to overcome these challenges. The text also highlights the importance of communicating effectively with stakeholders and partners to build support for the project.

The modalities of the text, such as its tone and language, can provide valuable insights into the author's perspective and intentions. For example, the use of phrases like "all deeds are done with tricks" and "smart people always win" suggests a focus on creativity and innovation in finding solutions.

Overall, the text provides a rich source of information for understanding the challenges and opportunities of managing large-scale projects, and the modalities of the text can help to deepen our understanding of the author's perspective and intentions.

Another example: translation + summary of some summary ;)
Hello!

As a developer with over 9 years of experience in AI and neural networks, I've worked on a wide range of projects, from chatbots and virtual assistants to image and video recognition. I have a strong background in machine learning, including experience with popular frameworks like TensorFlow, Keras, and PyTorch.

Some of my specific areas of expertise include:

- * Neural network architecture and training
- * Conversational AI and natural language processing
- * Image and video recognition and analysis
- * Machine learning and deep learning
- * Data preprocessing and feature engineering

I've also worked on a number of projects that involve integrating AI and neural networks with other technologies, such as computer vision, natural language processing, and the Internet of Things (IoT).

In terms of specific projects, I've worked on projects such as:

- * Developing a chatbot that uses natural language processing and machine learning to engage with customers and answer their questions.

- * Building a virtual assistant that uses machine learning and computer vision to understand and respond to voice commands.
- * Creating an image and video recognition system that uses deep learning to identify objects and scenes.

I've also worked on projects that involve integrating AI and neural networks with other technologies, such as:

- * Integrating natural language processing with voice assistants to create more conversational interfaces.
- * Integrating computer vision with autonomous vehicles to improve object detection and recognition.
- * Integrating machine learning with IoT devices to improve predictive maintenance and optimize energy usage.

In addition to my technical skills, I'm also comfortable working with a variety of programming languages. I'm also familiar with a variety of AI and machine learning frameworks, including TensorFlow, Keras, and PyTorch.

I'm excited about the opportunity to bring my skills and experience to a new project, and I'm confident that I can make a significant contribution to your team. Thank you for considering my application!

Russian is also not a problem, of course.

Main:

- * Creation of AI models - assistants (AI-code writer).
- * Creating Superintelligent AI blocks.

LLMs (Large Language Models) - large language models:

- Upload your personal data and documents to ChatGPT and LLMs (your own ChatGPT)
 - for example with fine-tuning models or with Embedding / Tokenizer + Pinecone vector database and other methods

What can be loaded into ChatGPT?

- corporate data - your research + scientific articles arXiv (... and develop automatically Superintelligent AI for example)

- Complex chains and query trees (thinking) in ChatGPT and LLMs:
 - > Chain of Thoughts, Tree of Thoughts, Self-Consistency, ReAct

• ChatGPT and everything from OpenAI, • GPT2, 3, 4, BabyAGI, SuperAGI, LangChain, Hugging Face Agents, Flowise & Langflow, MidJourney, DALL E 2, Stable Diffusion

- everything through the API and in any other option.

Design, Modeling and Architecture

CRISP-DM, Archimate, C4, BPMN, SysML and UML; Projects in Archi, Draw.io, Miro, Visual Paradigm.

Simulations and research

Miro, Mermaid.js, OneNote, Coggle.it, TheBrain posts related by Zettelkasten - (Ideation & Brainstorming).

For Artificial Intelligence component research:

TensorFlow, Keras, Python, Scikit-learn, PyTorch, Pandas, Numpy,

*.py and *.ipynb: Colab / Jupyter Notebook, Visual Studio Code, Sublime Text and via python3

my_file.py

Git, GitHub/

Cloud, GPU Cloud:

Google, Sberbank, YandexCloud, Oracle Cloud - via SSH, Linux console, bash.

Locally:

Geforce GPU CUDA Deep Neural Network (cuDNN).

I will distribute all application and neural network flows (automatically or manually) to CPU and GPU accelerators with Geforce RTX and Tesla.

Multimodal neural networks (advanced ML, heterogeneous inputs with synchronization)

Advanced artificial intelligence research (AI, AGI, ASI):

all Hugging Face 200k+ models and Tasks I

worked with:

Computer Vision

Depth Estimation

Image Classification, Segmentation

Image-to-Image

Object Detection

Video Classification

Unconditional Image Generation

Zero-Shot Image Classification

Natural Language Processing

Conversational

Question Answering

Sentence Similarity

Summarization

Text Classification, Generation

Translation

Zero-Shot Classification

Audio Classification

Audio-to-Audio

Automatic Speech Recognition

Text-to-Speech

Multimodal

Document Question Answering

Feature Extraction

Image-to-Text

Text-to-Image

Text-to-Video

Contribute

Visual Question Answering

PyTorch, Scikit-learn, TensorFlow and Keras:

- Transformers Attention
- functional API and Sequential
- TensorFlow Hub, Universal Sentence Encoder, Token based text embedding, • Tensorflow Optimizers, TF-Lite, Tensorflow Quantization. • Reduction, acceleration of the neural network with Larq. • TensorBoard and MLflow.
- BERT, GPT-3, ruBERT, ruGPT, T5, ruT5, Transformers.
- Seq2seq, Attention,

- RNN, GRU, LSTM, Convolutional NN, •

Encoding-Decoding, Variational Autoencoders (VAE), • Tokenization of text character by character, into words, into subwords (chars, words, subword Tokenization) • Custom Embedding, including proprietary technologies. • Freezing weights and layers. • Saving - restoring the model and weights. • Transfer of learning

- Transfer Learning. Pretrained networks. • Custom layers, models, custom activation functions and metrics. • Autotuning, AutoML.

- Regularization and Dropout. •

Batch Normalization.

- Masking. •

Manipulation of complex LRs. • float16, float32, Int, binary.

- Generation/GAN,
- ELMo.
- MoveNet.

- MoViNets (Mobile Video Networks), trained on Kinetics 600, supporting inference on streaming video.

- Video: Action Recognition, 3D Convolutional Neural Network (Conv3D) at tfhub.dev/deepmind/i3d-kinetics-400/

Clustering:

- K-means

- Affinity Propagation •

Mean Shift

- Spectral clustering •

Hierarchical clustering

- DBSCAN

- OPTICS and more.

AI - scientific research:

- futurology, ideas and developments for AGI, ASI, AI. • Simulation of artificial intelligence blocks. • collective, general intelligence,

- cognitive science,

- new generation of decision-making tools. • New generation and evolution of text, speech. • A revolution in the transmission and storage of information, manuals. • Representation of thinking. • Unsupervised learning. • AI-self-creation, "Snowball", self-improvement, self-learning.

- Automaticity and self-optimization.

- Creation of evolutionary, genetic, universal algorithms. • Development of high-speed education, research systems and cutting-edge production. • Development of the Institute of Artificial Intelligence and the Association.

How Advanced Machine Learning works: My model

(2014) vs Google model from tensorflow.org/tutorials/audio/simple_audio

Result:

The result is a Model 11 times smaller than the one in the manual (count_params 148,645 versus 1,625,611) Superior in metrics.

more about scientific research - <https://icivi.github.io>

- PHP, Lua, qLua, MySQL, PhpMyAdmin, json, xml, API clients and servers.
- WebSocket, JS - rarely.
- CorelDRAW, Photoshop. 3D editors. Video editors.

Amateur:

- Lenses, focal length, tripods, with a movable platform, filters, light and backlighting, shooting without shadows.
- Cubase. Fruits. Cakewalk Sonar, Waves, Sound Forge, MIDI and VST plugins.
- Effect processors, sound processing, samples and synthesizers, mixing.
- Microphones, sound recording, vocals, synthesizers, MIDI, samplers, effects processors
- real time, amplifiers, acoustics.

before 2001:

Exchange, crypto and robots:

- Robots on the Moscow Exchange (Quik) and on crypto exchanges.
- Experienced market maker.

- Startup and Marketing (Technical), Entrepreneur.

before 1999: •

- Statistics, Google Analytics, Yandex.Metrica.
- Search engine optimization of websites, unique sites per day max 20,000.
- Yandex.Direct, Google AdWords and in Target.
- Yandex advertising network, AdSense.
- Advertising banners.
- Online store OpenCart. Auto-filling, loading-unloading-parsing of goods.
- Any Internet parsing.

Computer hardware.

Assembly and configuration of servers and system installation (Linux, Windows).
Network installation and configuration. Radio engineering, radio electronics, equipment - simple soldering according to circuits. Car enthusiast, assembled and disassembled cars.

Positive, enthusiastic. By nature - a creative person. Responsible.

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