

## Projects + Technology stack

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- **OpenAI API + Azure AI + Huawei Mobile Services** - AI real-world agent - LLM-based agent, which utilizes multimodal information derived from a set of sensors to construct comprehensive human portraits and manage real-world contextual conversations
- **Unity C# + IoT platforms** - [NUIX-Studio APP](#) - A platform to test AIoT environments in Virtual Reality. Based on Microsoft MRTK, OpenHAB and HomeAssistant (version 1), it lets users to extend real-world IoT devices with additional functionality in the Virtual Reality. Version 2 is based on Oculus SDK and includes a user interface, which allows prototyping IoT interactions in Virtual Reality without any programming knowledge
- **Blender** - Special effects for TikTok - I created 10 advanced AR effects for TikTok (Douyin), which have been used for more than 3 million times.

## Qualifications and Awards

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- Tsinghua University-Goertek Innovation Proposal Competition - Outstanding Mentor Award (2024)
- TCL RayNeo AI Challenge - 3rd Place (2024)
- Huawei Certification: HCIA-**AI** (2020)
- MSU Higher School of Business - Best Startup 2018 - **AI** Vehicle Damage Assessment (2018)
- Certificate of 2-week Practice in **Web Apps** Development, Samsung RC, Ltd, Moscow (2017)
- Yandex.Money Hackathon - Most Technological Bot (2016)
- National and First-level Olympiads of **Mathematics** (2015, 2012), National Olympiad of **Competitive Programming** (2014)

## Publications (as the first author)

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- Modification of Algorithm for inverting matrices with elements from ring of scalar differential operators. CMC MSU MAKs PRESS 2019: 88 (in Russian)
- ClarifAI: Context-Aware Abnormality Detection Through Human-Agent Collaboration. IMWUT 2025 (CCF A; under submission)
- SightTalk: Real-world Data Captioning through Human-Agent Collaboration. IMWUT 2025 (CCF A; under submission)
- Conversational Contextual Care: A Human-AI Collaborative Approach for Addressing Minor Psychological Concerns Through Real-world Interactions. CSCW 2025 (CCF A; under submission)

## Misc. Information

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- Languages: English (C2, IELTS 7.5), Chinese (B2, HSK3 295/300), Russian (native)
- Holder of the Hong Kong ID card, allowing right to abode without any visa restrictions.

