

## SKILLS

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- **Languages:** C++, C, Python
- **Deep Learning frameworks:** PyTorch, TensorFlow, Keras
- **Libraries/Technologies:** NumPy/SciPy, Sklearn, Pandas, L<sup>A</sup>T<sub>E</sub>X, OpenCV, Unity, C++ Boost, MapReduce, Protobuf
- **Tools:** Git, Docker, GDB, Valgrind, Make, Deployment Pipelines (CI/CD), UNIX/Linux, Windows Server, Tizen

## EXPERIENCE

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- Software Engineer at [Samsung Research](#)

Visual Display team

Feb 2023 – present · 1yr 9mo  
Warsaw, Poland

- [Glasses-free 3D monitor](#) Python Mediapipe OpenCV Unity

- \* Wrote a **mathematical model** related to human's perception of 3D [details are under NDA]
- \* **Experimental proof** of the model
- \* Developed a proof of concept application using the model

- [Sign Language Avatar](#): an animated helper for deaf people Tizen C++ GDB Valgrind

- \* **Leading development** of the project, **communicating** needs and priorities with management
- \* Working on **simplification** of the project's **architecture** which **decreased latency**
- \* Writing full project's documentation for a **successful ownership transfer**

- Software Development Engineer at [Amazon](#)

Alexa TextToSpeech C++ C Python Deployment Pipelines (CI/CD)

Aug 2021 – Aug 2022 · 1yr  
Gdańsk, Poland

- Working on **Language Models** for Speech Synthesis
- **Reduced latency** of a homograph disambiguation model by **56%**

## PROJECTS

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- [BigARTM](#) C++ Boost Protobuf Travis CI AppVeyor

Jan 2017 – Jun 2018

Open Source library for topic modeling

Developed a tool for parallel calculation of pairwise word statistics ([code sample](#), [documentation](#))

## EDUCATION

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- Master of Science in Applied Mathematics and Computer Science at [Higher School of Economics](#) : Faculty of Computer Science  
Diploma with Honors, GPA 3.90 / 4.0

Sep 2019 – Jun 2021