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Michał Słodki

📍 Warsaw, Poland

SKILLS

- **Languages**: C++, C, Python, C#
- **Deep Learning frameworks**: PyTorch, TensorFlow, Keras
- **Libraries/Technologies**: NumPy/SciPy, Sklearn, Pandas, OpenCV, Unity, C++ Boost, MapReduce
- **Tools**: Git, Docker, GDB, Valgrind, LaTeX, CMake, Deployment Pipelines (CI/CD), UNIX/Linux, Windows Server

EXPERIENCE

- **Software Engineer at Samsung Research** — *Feb 2023 – present • 2yr 1 mo*
  Visual Display team — *Warsaw, Poland*
    - **Glasses-free 3D monitor** `Python` `OpenCV` `Unity` `C++` `CMake`
        - Developed a **mathematical model** related to human perception of stereoscopy
        - **Experimental verification** of the model using methods from **computer vision** and **computational photography**
        - Developed a proof of concept application in Unity using the model
        - **Leading development** in a team of two people, planning tasks
    - **Sign Language Avatar**: an animated helper for deaf people `C++` `GDB` `Valgrind` `Tizen`
        - **Leading development** of the project, **communicating** needs and priorities with management
        - Working on **simplification** of the project architecture
        - Writing full project documentation for a **successful ownership transfer**

- **Software Development Engineer at Amazon** — *Aug 2021 – Aug 2022 • 1yr*
  Alexa TextToSpeech `C++` `C` `Python` `Deployment Pipelines (CI/CD)` — *Gdańsk, Poland*
    - Working on **Language Models** for Speech Synthesis
    - **Reduced latency** of a homograph disambiguation model by **56%**

PROJECTS

- **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

- **Master of Science** in **Applied Mathematics and Computer Science** at — *Sep 2019 – Jun 2021*
  Higher School of Economics : **Faculty of Computer Science**
  Diploma with Honors, GPA 3.90 / 4.0