Lina Veltman

Machine Learning Engineer

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Summary

I am a skilled Machine Learning Engineer with experience in developing Deep Learning models for Natural Language Processing and Computer Vision. Proficient in Python, C++ programming and data analysis, conducting research on NLP. I am graduated with a Bachelor's degree in Computer Science and Applied Mathematics. Ready for new challenges and to contribute to an interesting innovative project with a friendly atmosphere in the team.

Education

Moscow Aviation Institute (National Research University) — *Moscow, Russia*

Bachelor's degree of Applied Mathematics and Computer Science — *2017 - 2021*

Department of Computational mathematics and programming

Mail.Ru Group Python for Data Analysis — *Moscow, Russia*

Certificate of Data Analysis course — *2020*

Data Analysis Course

Skills

Development	Python, SQL, Bash, C++
Machine Learning	NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, XGBoost, OpenCV
Deep Learning	Tensorflow, Keras, PyTorch, CNTK
Deployment	Git, Docker, JIRA, Confluence
OS	Linux
Others	Tree-sitter, Valgrind, Callgrind
Language	Russian as mother tongue, fluent English, entry-level Korean

Work experience

Samsung Research Russia — *Moscow, Russia*

Machine Learning Engineer — *07/2021 - PRESENT*

- Created a custom code analysis environment which helps to retrieve useful features from C++ code
- Implemented a Deep Learning model (NLP) which detects errors in code and replaces mistakes with correct variables
- Helped to implement a Deep Learning model (NLP) which generates C++ unit tests
- Developed a tool for test compiling coverage
- Conducted a deep analysis of code syntax with the help of Abstract Syntax Tree
- Research work on articles connected with Program Language Processing
- Worked with BERT, CuBERT, CodeGen, CodeT5

TVEMA — *Moscow, Russia*

Machine Learning Engineer — *09/2020 - 05/2021*

- Developed a classification model (Computer Vision) to predict types of railway objects on images
- Created a classification model (Computer Vision) to predict feature subtypes on another composite rail features on images
- Maintained the C++ project, deployed Deep Learning models to this project, improved parts of the project to speed up the application
- Worked with U-Net, VGG16

Projects

Virtual Neural Network Saberfighting Trainer

- Application of pose estimation, user actions recognition, evaluation of these actions using video stream data, written in Python.
- Supports online and offline video data as input.