

German Tarabonda

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Projects

- **Molecule converter**, Sep 2021 - Jan 2022
Developed program that can convert the picture of molecule structure into SMILES by teaching myself technologies like openCV and NetworkX.
Language: Python. Technologies: openCV, NetworkX, TensorFlow.
- **XDeepFM**, Apr - Jun 2022
Recreated XDeepFM model from [article](#). Team course work. Recreated CIN layer, combined layers and distilled data.
Language: Python. Technologies: PyTorch.

Work experience

- **Yandex, C++ developer**, July 2021 - May 2022
Used languages: C++, Python.
C++ developer internship in Yandex.Lavka (July - Sep 2021). Developed the logic in showcase of app.
C++ junior developer in Yandex.Pro (Oct 2021 - May 2022), part-time 20 hours per week. Developed support chats, created ability of choosing thematic sounds in iOS.

Articles

- **In silico investigation of non-synonymous single nucleotide polymorphisms in BCL2 apoptosis regulator gene to design novel protein-based drugs against cancer**, *Journal of Cellular Biochemistry*, Apr - Aug 2022
Was working in ITMO Infochemistry Scientific Center. Analyzed nSNP data in proteins using different bioinformatics tools and plotted required data. Soon will be published.
Language: Python.

Relevant skills

Languages: Python, C++, Java, Haskell

Technologies: Git, Bash, \LaTeX , Matplotlib, NumPy, openCV, sklearn, PyTorch, TensorFlow, PSQL, Biopython

Education

- **National Research University Higher School of Economics Saint-Petersburg**, Sept 2019 - June 2023
Bachelor in Computer Science
- **Completed relevant courses:** C++; Algorithms and Data Structures; UNIX; Linear Algebra; Calculus; Discrete Math; Functional Programming (Haskell); Java; Architecture of Computer; Software Design; Machine Learning; Statistics and Probability Theory; Molecular Biology; Parallel Programming; Deep Learning
- **Relevant courses:** Digital Signal Processing, Machine Learning-2

Languages

- **Russian:** Native
- **English:** B2, Upper-Intermediate
- **French:** A2, Pre-Intermediate