

Ivan Kramoykin

DATA-SCIENTIST

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Work experience

Design Engineer

July 2021 - August 2021

Design bureau

Job duties - Computer modelling of physical processes

Achievements

- Implemented computer model of electromagnetic field time-space distribution using Python and OpenEMS (<https://github.com/Kramoykin/Magnetic-Field>)

Education

Bachelor of Nuclear Physics and Technologies

2017 - 2021

Tomsk Polytechnic University

Final paper - Modelling electromagnetic shower deposited in NA64 CERN lead-scintillator calorimeter

Academic achievements

- Being a part of the research group TPU/NA64 CERN I was engaged in data-processing software development in the framework of pipeline principle in C++ (classes implementing some mathematical, statistical and visualization operations on the processing data structure were added to the processing chain), also there were created Monte-Carlo models of physical processes;
- Awardee of the 'Proriv' TPU contest in Nuclear Physics and Technologies;
- Exploring newest science papers/documentation in English.

Master in Big Data Solutions

2021 - present time

Tomsk Polytechnic University

Academic achievements

- Collective coursework on predictive analysis in Python (data preparation, data visualization, Random Forest and Logistic Regression models and ML results analysis were my responsibilities: <https://github.com/Kramoykin/Collective/tree/kramoykin>)

Key Competencies

- Python, SQL, C++
- Data analysis libraries (Pandas, NumPy, Sklearn, SciPy, Statmodels, Root)
- OS Linux, bash
- Level of English – B2 (upper-intermediate)
- Statistical analysis
- Data processing and data analysis in research group