



## Contacts



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[tratnikov](https://github.com/tratnikov)

# Maksym Tratnikov



## Daily tasks

### Data Quality

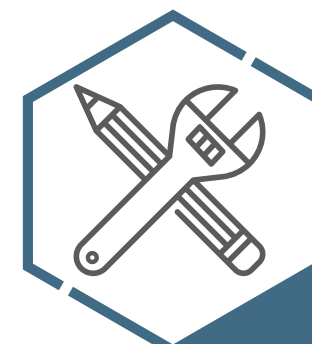
- Self-made python script with bunch of mathematical filters to check quality of data for over 300 sources with clear reporting features.
- Stack: Pandas, Plotly, Ipywidgets, Matplotlib, Xlsxwriter

### Data Integratation

- Continuous integration of data into SQL database.
- Stack: json, Filezilla, SISS, SQL Server Agent

### Data analysis

- Analysis of diffrent systems in regard to specific yield.
- Stack: Python, Plotly, Ipywidgets, Seaborn, Matplotlib, JMP



## Skills

### DATA

Pandas, Scikit-learn, TensorFlow, Keras, SQL, MongoDB , AZURE, SISS, PowerBi

### WEB DEV

JavaScript, HTML, CSS, Git, Figma, Bootstrap, Vue.js, Node.js

### PV

Strong domain knowledge in PV

### Personal

Russian (native), German (C1), English (C1), clear presentation and communication



## Jobs

2020 - now

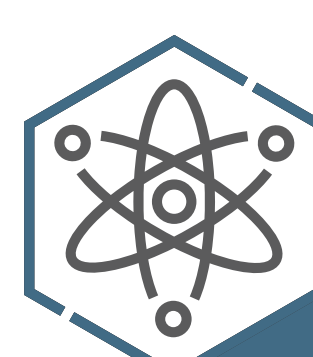
### Data Analyst at Hanwha Q CELLS

- Research
- Data analysis (Domain solar modules: energy yield analysis) -> JMP & Python
- Data quality -> Python
- Experiment design
- Experience in isntallationand config. of sensors, data loggers and pv components
- Data integration ->SSIS
- Simulation -> PVSYST
- Results presentation

2018 - 2019

### Werkstudent at TUBAF

- Characterisation of solar cells with suns-Voc
- Simulation of solar cells with Synopsys' Sentaurus TCAD



## Education

2017 - 2020

TUBAF Freiberg, Germany, M.Sc. Applied Natural Science,  
Avarage score: 1.81

2013 - 2017

TU Dnipro Polytechnic, Ukraine, B.Sc. in Electrical Engineering and  
Electrotechnics  
Avarage score: 1.3