



Contacts



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Maksym Tratnikov



Projects

Data Analysis

- Analysis of different systems in regard to specific yield.
- Stack: Pandas, Plotly, Ipywidgets, Seaborn, Matplotlib, PowerBi, SQL

Data Quality

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

Data Integration

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



Jobs

2020 - now

Data Analyst at Hanwha Q CELLS

- Research
- Data analysis (Domain solar modules: energy yield analysis)
- Data quality
- Data integration
- Design of experiments
- Installation and configuration of PV modules & components
- PV System design simulation
- Representation of results

2018 - 2019

Werkstudent at TUBAF

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



Skill set

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

Languages

Russian (native), German (C1), English (C1)

Soft skills

Organization, Communication, Problem solving, Effective delegation



Education

2017 - 2020

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

2013 - 2017

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