Dr Vitalii Shkoldin

Data Analyst

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Summary

As a proficient scientist, I possess a strong analytical mindset and additionally broad experience in high-tech. I readily absorb new knowledge and can solve complex problems through innovative solutions. Moreover, I place high value on user experience.

Work Experience

LoyaltyPlant – is an all-in-one digital platform for global quick service restaurants

Product Analyst   4 months | June 2024 – Sep 2024

- B2B data reports, data verification

Deeplay.io – AI-driven animators for card games

ETL Data Engineer   1 year | July 2023 – June 2024

- **Apache Airflow (ETL)**: raw **python** and **pandas** data processing: APIs, MySQL, **Google Sheets**, **ClickHouse**
- Maintain documentation, mentorships

ITMO University & Alferov University

Leading universities in the field of nanophotonics and semiconductors.

Research engineer | Data acquisition & Data Analyst   5.5 years | May 2017 – Dec 2022

- Collection, refinement, and **analysis of experimental data, hypnotize verification**
- Assembling optical setups and direct involvement in execution of optical experiments
- Performing **analysis** and **automation** of experimental data processing using **Python (Pandas)** and **data visualization** employing **Matplotlib** and **Seaborn** for presentations in publications and conferences
- Enhancing equipment capabilities through the use of microcontrollers (**C++**, **LabView**)
- Conducting market and technological research
- Secured 5 research grants (application, managing, teamwork, reporting)

NT-SPb – a scientific equipment manufacturer, spin-off of the global giant NT-MDT.

Engineer   4 years | May 2018 – Sep 2022

- Engaging in **R&D** and **customizing equipment** to meet client specifications
- Performing **on-site** and **remote** equipment **installations**, support
- Conducting software and hardware **testing**

Skills set

Python (Pandas, NumPy, …), Proficient MS Excel, SQL, BASH, LabView, Orange Data Mining, Airflow, ETL, Matplotlib, Data Lens, Looker Studio, Redash, GIT, Jira, YouTrack, Linux, Docker

English, Russian (Native)

Education

2022	Ph.D. in Physics	Cond-matter physics	St. Petersburg	ITMO University
2011 - 2017	M.Sc. & B.Sc.	Electronics and nanoelectronics	St. Petersburg	Polytechnic University