Dr Vitalii Shkoldin

Python | Data analyze | Physicist   Yerevan (Armenia) or Remote

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Physicist and python-programmer. Know different approaches to experiment and easy to learn how to work with new equipment and get new knowledge.

Self-learned Courses

- Data Analyze and statistics (Stepik 1,2,3)
  Pandas, sklearn, logic, statistics
- Python basics and application (Stepik 1,2)
  Python, algorithms
- Cloud service engineer (Yandex)
  AWS-basics on yandex platform

Work Experience

ITMO University & Alferov University
One of the advanced placed in Russian Phisics.
May 2017 - Dec 2022 | Research engineer & PhD student

- Scientific research
- Service, maintains, modification equipment
- Supervising Master's students project
- Scientific Articles, scholarships, grants, conferences
- Python data analyze

"NT-SPb" Surface probe for nanotechnology
May 2018 - Sep 2022 | Engineer

- Business trips and remote microscopes installation
- Conducting workshops and education schools on SPM
- Custom improvement of microscopes

Side jobs
Before 2017

Online Pet Store Zoo.SPb.ru

- Online store from server to design
- OpenERP and CRM (Setup, synchronization, modification)
- Coupling with "Ingit": transport logistic system for delivery, delivery time-planning (30 min precision), SMS-notification

Dormitory internet provider

- iptables, TraffPro billing tool
- network administration

Freelance:

- Python-automation of data-analyze and data-mining
- Telegram text-quest bot for feedback
- VPN based on StrongSwan with FreeRadius (auth and stat)

Skills

Python: Pandas, NumPy, Sklearn, Matpotlib, Seaborn, PyCharm, beautifulsoup4

LAMP, BASH, AWS, Debian Linux (advanced)

Basics
SQL, html/CSS, Networks, C++, GIT

Education
Ph.D. in Physics

Condensed-matter physics
June 2022 | ITMO University

M.Sc. & B.Sc

Electronics and nanoelectronics
2011 - 2017 | St. Petersburg Polytechnic University

Languages

- English (B2 & study)
- Russian (Native)
- Hebrew (study)