Evgenii Ikonnikov

Contact info

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Visa

Job Seeker Visa

Web

My Portfolio

LinkedIn

GitHub

Other skills

GitHub
Octave (MatLab)
Spyder3
Atom
Virtualenv

Languages

Russian (native)
English (fluent)
German (elementary)

Hobbies

Unity
Django
Blender 3D

Summary

I successfully finished a PhD program at the Max-Born-Institute **(link)** (MBI) where I had practical experience with creating python packages for big data processing and analyses. During the project, I created python packages for statistical analyses and processing of data obtained over the course of lengthy experiments for static measurements and dynamic physical values. The programming and analytical skills obtained at the MBI are a good foundation for my future my career in data science. **The letter of recommendation (link)** from my previous work is attached.

Experience

04/17 - 10/20 (3.5 years)　　　　**Scientist (PhD candidate)**　　　　MBI, Germany

During my PhD program I created software for statistical processing and statistical analyses with Python for big experimental data. Within the project at Max-Born-Institute I created software on python for:

- Estimation of the experimental data statistics accumulation.
- Signal artefacts detection and their elimination.
- Noise suppression via Fourier filters.
- Signal shape and coordinates analysis.
- Signal modelling for dynamic data (modelling of the signal behaviour in time).

Education

09/19 - now　　　　**PhD in Physics**　　　　*Frei Universität Berlin, Germany*

Project: *Dynamics of Condensed Phase Molecular Systems.* **link**

09/15 - 04/17　　　　**Master degree in Physics**　　　　*Saint Petersburg State Univ, Russia*

Internships: *2016 (2 months)* **link** *and 2017 (1 months)* **link** *at MBI (Berlin).*

Graduation project: *Relaxation properties of synthetic polypeptides in different solvents.*

09/11 - 09/15　　　　**Bachelor degree Physics**　　　　*Saint Petersburg State Univ, Russia*

Courses: • *Higher Algebra* • *Higher Mathematics* • *Mathematical Analysis* • *Probability Theory* • *Numerical methods* • *Methods of Computational Physics* • *Methods of Mathematical Physics* • *Statistical Physics and Thermodynamics* • *Statistics of Macromolecules*

Hard skills

Python (4 years): • Packages: numpy, matplotlib, scipy, math, pandas
　　　　　　　　　　　• Documentation writing skill: Pythonic style
　　　　　　　　　　　• OOP

Soft skills

Mentorship skill: I was responsible for intern master student supervision throughout my PhD program.

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