# Oleksandr Khoroshevskyi

## Python Software Engineer

## Personal information

+1 434 953 1872

okhoroshevskyi@gmail.com

linkedin.com/in/okhoroshevskyi

github.com/khoroshevskyi

## Skills

- **Python** (FastAPI, SQLAlchemy,
- scikit-learn, Pytest, async and others),
- **R**, **Bash, Rust**
- Database Management: **PostgreSQL,
MongoDB**
- **Git, Docker**, **AWS**
- Linux and HPC proficiency
- Pipeline development

## Languages

**English** – *pre-advanced*
**German –** *intermediate*
**Polish –** *advanced*
**Dutch –** *beginner*
**Russian –** *advanced*
**Ukrainian–** *native*

## Profile

Scientific Programmer with more than four years of hands-on experience in web development, pipeline development, data processing, and manipulation, primarily utilizing Python. I am eager to embrace new challenges.

## Work Experience

### Scientific Programmer

*University of Virgnia*, USA | Jul 2021 – now
*Sheffield lab of computational biology. databio.org*

- Software engineering (Tech stack includes: Python, Rust, Bash, Docker, PostgreSQL, AWS)
- Conducting data engineering and database construction
- RESTful API Development and optimization
- Development, maintenance, and optimization of bioinformatic pipelines
- Public projects: https://pephub.databio.org, https://bedbase.org
- Experience in conducting job interviews
- Project mentoring

### Test Automation Engineer

*Nokia*, Wroclaw, Poland | Jun 2020 – Feb 2021

- Writing and maintenance of software and test scripts (Python, Bash, Robot).
- Software verification.
- Configuration of automated regression test cases.

### Software developer, Internship

*Webmil*, Ivano-Frankivsk, Ukraine | Jul – Aug 2018

- Summer Internship in programming.

## Education

### Master of Science in Bioinformatics
*Wroclaw University of Environmental and Life Sciences, Poland* | **2019-2023**

### Bachelor in Bioinformatics
*Wroclaw University of Environmental and Life Sciences, Poland* | **2016-2019**

### Erasmus+ exchange program
*University of Lisbon, Portugal* | **2021**

### Erasmus+ exchange program
*KU Leuven, Belgium* | **2018-2019**

## Selected Publications

- **Khoroshevskyi, O.,** LeRoy, N., Reuter, V. P., and Sheffield, N. C. (2023). GEOfetch: A command-line tool for downloading data and standardized metadata from GEO and SRA. Bioinformatics 39, btad069. doi: 10.1093/bioinformatics/btad069
- Xue B, **Khoroshevskyi O**, Gomez RA and Sheffield NC (2023), Opportunities and challenges in sharing and reusing genomic interval data. Front. Genet. 14:1155809. doi: 10.3389/fgene.2023.1155809