

Klimenko Polina

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Originally from Saint Petersburg, I am a bachelor of Math and Computer Science with an interest in bioinformatics, machine learning and data analysis. I am currently seeking a position in these fields.

Experience

Nonribosomal peptides generation

October 2021- November 2021

- A software project at Sirius university. Mentor: A. Gurevich
- <https://github.com/pavlov200912/nrp-generation>

Conflict-Based Search Algorithms for Multi-Agent Pathfinding problem

September 2021 - January 2022

- A software project at Saint Petersburg University. Mentor: K. S. Yakovlev
- Research of basic algorithms and their improvements.
- Team coordination
- <https://github.com/polinko13/CBS>

Restaurant blogs

September 2019 - May 2019

- Team project. Creating a chat bot in Telegram based on natural language processing

Education

Saint Petersburg State University, BS in Mathematics; Mathematics and Theoretical Computer Science (Full tuition scholarship)

September 2018 - June 2022 | Russia

Relevant subjects: Basics of Bayesian inference; Deep Learning; Introduction to Bioinformatics; Python; Computer science; Methods and algorithms for heuristic search; Mathematical analysis; Functional analysis; Probability theory; Mathematical Statistics; Machine learning and probabilistic graphical models; Theory of random processes; Graph theory; Computational Geometry; Graph Drawing; Algebra; Geometry and topology

Thesis: “Development of a computer application for the analysis of UPVD mass spectra data”

- A software tool that provides analysis and visualization of certain dependencies of mass spectral data
- Supervisor: K. V. Vyatkina, candidate of physical and mathematical sciences, SPbAU RAS named after J.I. Alferov
- <https://github.com/polinko13/MassSpectrumApp>

Computer Science Center

Free listener | Saint Petersburg, Russia

Courses: Collecting and processing data using crowdsourcing (2020); Operating systems (2020); Data analysis in Python in examples and tasks (2020-2021); Deep Learning (2021)

Sirius University

Additional educational programs | Sochi, Russia

Programmes: Practical Bioinformatics (July 2021); Modern Bioinformatics (November 2021)

Saint Petersburg Governor's Physics & Math Lyceum 30 | Graduate

September 2014 - May 2018 | Russia

Technical Skills

- **Languages:** Python; C++; C#
- **Libraries:** PyTorch; Poetry; NumPy; Pandas; Scikit-learn
- **Bioinformatic Tools:** Nerpa; FastQC; MetaQuast; metaSPAdes; Rdkit; Metabat2
- **Other Skills:** Linux; SQL; Git; LaTeX; Kaggle

Languages Skills

- Russian (native), English (B2), German (A2)