Klimenko Polina

polinko1309@gmail.com | +79219727906 | September, 13, 2000 | St. Petersburg

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/PolinaKlimenko/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
September 2018 - June 2022 | Russia

Relevant subjects: Basics of Bayesian inference; Deep Learning; Introduction to Bioinformatics; 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; 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 for mass spectral data. Mentor: K.V. Vyatkina, candidate of physical and mathematical sciences, SPbAU RAS named after J.I. Alferov

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)

Technical Skills

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

Languages Skills

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