

Skills

- Soft skills Responsibility, attentiveness, time management
- Languages Python, Kotlin, JavaScript, Go, C++, SQL
- Tools Django, FastAPI, pytest, Unittest, NumPy, Bootstrap, Selenium

Professional Experience

- Mar 2023–
Sep 2024 **Static analysis for JavaScript-based languages,**
junior developer, Huawei St. Petersburg Research Center
- Abstract interpretation, taint analysis
 - Kotlin, JavaScript, ArkTS
- Sep 2022–
Feb 2023 **Automated unit test generation for Python language,**
annual internship, Huawei St. Petersburg Research Center,
<https://www.utbot.org/python>
- Developed fuzzing of function arguments for basic types
 - Developed python unit tests code generation
 - Refactored project structure for multi language test generation
 - Developed new python object serialization and deserialization algorithm
 - Kotlin, Python, Mypy, UnitTestBot
- Jul 2021–
May 2022 **Web interface for electives selection,**
educational practice, SPBU, Mathematics and Computer Science,
https://github.com/tamarinvs19/choosing_electives
- Web interface and backend for electives selection designed to help students and administration
 - Developed portable web-interface for choosing electives
 - Developed expandable elective storage architecture and management system
 - Python, Django, JavaScript, jQuery, SortableJS, Bootstrap, PostgreSQL

Education

- 2019–2023 **St. Petersburg State University, Mathematics and Computer Science,** Modern Software Engineering, Bachelor

Achievements

- 2023 **Speaker at the PiterPy conference,** *To infer types from Python: problems of Python code analysis*
- 2023 **SBFT Tool Competition 2024,** *Python Test Case Generation Track*, 2th place
- 2019 **Winner of the 38th All-Russian conference «School computer science and problems of sustainable development»**
- 2019 **Top 20 out of 65 participants,** Saint Petersburg Olympiad in Mathematics
- 2019 **Top 15 out of 40 participants,** Russian Olympiad in Mathematics, regional stage
- 2019 **Top 55 out of 173 participants,** Russian Olympiad in Computer Science, regional stage

Publishing

- UTBot Python at the SBFT Tool Competition 2024. dl.acm.org/doi/10.1145/3643659.3643934
- Linux keyboard. Settings. <https://habr.com/ru/post/486872/>
- Merge in Python. Time test. <https://habr.com/ru/post/510970/>

- SAUNet: Shape Attentive U-Net for Interpretable Medical Image Segmentation. (Article review)
<https://habr.com/ru/post/666478/>