Vyacheslav Tamarin

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🌐 github.com/tamarinvs19

Skills

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

Professional Experience

Sep 2022– Feb 2023
Automated unit test generation for Python language,
annual internship, Huawei St. Petersburg Research Center,
https://www.utbot.org/python

- Improved fuzzing process based on new platform with new type system
- Refactored project structure for multi language test generation
- Developed new python object serialization and deserialization algorithm
- Kotlin, Python, Mypy, UnitTestBot

Jun 2022– Sep 2022
Automated unit test generation for Python language,
summer 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
- Applied python typeshed repository and mypy in type inference 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

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

- 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/