

Roman Shishkin

<https://github.com/5h15h4k1n9>

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EDUCATION

- **Saint-Petersburg State University** Saint-Petersburg, Russia
Bachelor of Software Engineering Sept. 2020 - May 2024
 - **Courses:** Software Development, Algorithms and Complexity, Introduction to Software Engineering, Algorithms and Data Structures, Operating Systems, Human-Computer Interaction, Computational Mathematics, Computer Workshop, Introduction to Programming

PROJECTS

- **Grading system**
<https://github.com/Pupsen-Vupsen> Dec. 2021 - Current
 - In team built testing system which allows checking robotics tasks in a competition format
 - Held the regional stage of the Technology Olympiad in St. Petersburg on this platform
 - **Technologies:** Kotlin (SpringBoot, JUnit, Mockito), Git, GitHub, Docker, Docker Compose
 - **Keywords:** Robotics, TRIK Studio, Restful-service
- **Mini Solidity Interpreter**
<https://github.com/5h15h4k1n9/MSI> Dec. 2022 - Current
 - Building application which allows interpreting subset of Solidity language and running it in interactive mode
 - **Technologies:** Haskell (HSpec, Parsec), Git, GitHub
 - **Keywords:** Interpreter, Parser
- **Graph analyzer**
<https://github.com/spbu-team-11/graph-analyzer-app> May 2021
 - In team built application which allows highlighting communities in graphs, finding vertices centrality and making layout of the graphs
 - **Technologies:** Kotlin (JUnit, TornadoFX), Git, GitHub
 - **Keywords:** Graph community detection, Layout graph

COURSES

- **Algorithms: Theory and Practice. Data Structures**
Computer Science Center Apr. 2021
- **Algorithms: Theory and Practice. Methods**
Computer Science Center Jun. 2021
- **Computer Architecture**
Princeton University Feb. 2021
- **Functional Programming on Haskell**
Computer Science Center Apr. 2022

EXPERIENCE

- **UniChance** Saint-Petersburg, Russia
Teacher Nov. 2021 - Jan. 2023
 - Teaching mathematics and computer science (grades 5 - 11)
 - Development of curricula and teaching materials

PROGRAMMING SKILLS

- **Languages:** Kotlin (SpringBoot, JUnit, Mockito), Python (PyTest), Haskell (HSpec, Parsec)
- **Technologies:** Git, GitHub Actions, Docker, Docker Compose, SQL (MySQL, SQL Server)