skorokhod.g@gmail.com   Georgii Skorokhod   GitHub: @gskorokhod

+447539497460   Computer Science student (BSc)   Linkedin: link

Education

Moscow   Engineering School №1580   2017 – 2022

High School – Physics and Mathematics profile   Grade: 5.0 / 5.0

Russian State Exam scores:

- Mathematics   82 / 100
- Informatics and ICT   92 / 100
- English   99 / 100

St Andrews, UK   University of St Andrews   2022 – 2026

International Year One – Science   2022-2023

Modules taken:

- CS1002 and CS1003
  - Fundamentals of Java programming
  - Object-Oriented Programming
  - Basic Data Structures
  - XML and JSON data formats
  - I/O and Streams
  - HTTP requests
  - SQL and Relational databases
  - NoSQL databases, Neo4j and MongoDB
  - Basics of distributed computing, Apache Spark
  - The UNIX Command Line
- Math A and Math B
  - Basics of linear algebra
  - Calculus

Computer Science (BSc)   2023 – 2026

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Extra-Curricular courses

Moscow   **Yandex.Lyceum**   **2019 – 2021**

A project-based Python programming course for high school students, hosted by the Russian tech company Yandex

Skills learned:

- Python programming
- GUI development (PyQT5)
- SQL databases and the python sqlalchemy library
- Image and sound processing
- CSV and JSON data formats
- Web page parsing
- Full stack web development with Flask + Bootstrap
- REST API
- Unit testing

Lipetsk   **Summer CS school by the HSE**   **2021**

A 2-week summer computer science course organized by the Higher School of Economics that focused on algorithms, data structures and solving Leetcode-style problems in C++

Skills learned:

- C++ programming
- Data structures
- Trees and Graphs, graph theory fundamentals
- Breadth-First and Depth-First search, recursion
- Pathfinding algorithms, Djikstra's algorithm, A*
- Minimal Spanning Trees
- Binary trees and their applications
- Time complexity and the "Big O" notation
- Fundamentals of theoretical CS, finite state machines

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St Andrews   Fast Start Web Development   2023

A 2-month course consisting of 8 lectures on web development, JavaScript and the React framework, as well as a final project

Skills learned:

- React
- HTML, CSS, JavaScript
- Web design, using Figma for prototyping

Projects

Automated greenhouse with Arduino   2019

A team project to develop a system for automatically monitoring the climate inside a small greenhouse and manage lights, ventilation and water valves. The UI included a mobile app to manage the greenhouse remotely and a text menu on an LCD screen.

As part of the team, I was responsible for designing the electronics and programming the Arduino microcontroller, as well as coordinating a team consisting of 3 of my classmates.

The project won a bronze medal at the IEYI-2019 in Jakarta.

Project information: https://nextcloud.gskorokhod.com/s/TzBYfea8Sp2r9e8

Skills practiced:

- Programming in a C-like language
- Hardware, electronics and microcontrollers
- Communication skills, teamwork and delivering presentations

Full Stack E-Commerce web app   2021

A web app for a shop that allows users to register, add items to cart and place orders. It includes an administrator panel for adding/removing goods, a simple full text search system, a SQLite database and a REST API.

Project information: https://github.com/gskorokhod/shop-website-project

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Skills practiced:

- Backend web development with Python
- Using the git version control system and GitHub repositories
- API development
- SQL databases

Skills

- Python   (proficient)
- Java   (intermediate)
- C++   (beginner)
- SQL databases
- Algorithms
- Data structures
- Networking
- Microcontrollers

- Full Stack web development
- Basics of React.js
- Web scraping and parsers
- Experience with the UNIX command line
- Good communication skills
- Making and delivering presentations

Languages

	Language	Proficiency	Certification
•	English	Full professional proficiency	IELTS 8.0 (C1)
•	Russian	Native speaker	-
•	German	Beginner	-

Contacts

•	E-Mail (University)	gs248@st-andrews.ac.uk
•	E-Mail (Personal)	skorokhod.g@gmail.com
•	Phone number	+447539497460
•	LinkedIn	https://www.linkedin.com/in/georgii-skorokhod-437881251/
•	GitHub	https://github.com/gskorokhod

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