TATIANA KULAGINA

London, United Kingdom
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Highly driven Computer Science Master's student specialising in **Java OOP** and Concurrent Programming for backend systems. Driven by a deep curiosity for foundational concepts, beginning with **C** to master low-level systems details. Seeking a challenging **Graduate Software Engineer** role that demands active learning and provides the opportunity for rapid growth.

TECHNICAL SKILLS

Languages: Java, C, SQL, HTML/CSS, JavaScript
Frameworks & Tools: Spring Boot, Git, VS Code, IntelliJ, Docker

EDUCATION

Newcastle University, Newcastle Upon Tyne | *Java*   September 2025 - September 2026
Computer Science, MSc

Core modules: Advanced Programming, Software Development, Software Engineering, Database Systems, Web development, Computer Networks

Moscow State Linguistic University, Moscow   September 2019 - July 2023

Translation and Interpretation, English and Portuguese, BA

COURSES AND PERSONAL PROJECTS

Split Keyboard Project   August, 2025; January, 2026

Designed and built a custom split keyboard, bridging the gap between physical hardware and low-level software. Developed firmware in CircuitPython.

Harvard University, online   September 2025 - November 2025

Completed CS50 SQL course. Gained practical skills in querying, designing, optimising, viewing and scaling SQLite and MySQL databases.

21 School — 42 School, Moscow | *C*   April - September 2025
Private Institution
SimpleBash

· Engineered custom implementations of cat and grep CLI utilities in C, strengthening file I/O, dynamic memory management, and low-level programming.
· Implemented robust flag parsing and combination logic, including options for line numbering and pattern matching.

21string+

· Led a team of four to successfully implement the core functionality of string.h, including complex sscanf and sprintf utilities.
· Personally developed most of the sscanf functionality and several core string manipulation functions.
· Covered sscanf functionality with unit testing achieving 98% code coverage.

Harvard University, online   August 2024 - January 2025

Completed CS50x Introduction to Computer Science course. Developed foundational skills in algorithmic thinking, data structures, and software engineering by completing problem sets.

ADDITIONAL WORK EXPERIENCE

Portugeasy Online School   March 2023 - August 2025
Teacher of Portuguese

· Managed and executed over 15 two-month language marathons and delivered curriculum to approximately 45 groups of 3–6 people.
· Increased student retention at the school by 30% via personalized teaching strategies.
· Provided tailored private lessons, adapting teaching methods to meet diverse student needs and learning styles. Including high emotional intelligence by supporting recently relocated students.
· Successfully prepared a student to pass the national A2-level language test.

Quicksilver Kamchatka Surf School, Kamchatka, Russia   July 2023 - September 2023
Primary Surf Instructor

· Led and managed up to three group lessons daily for 10–15 people, directing one assistant.
· Provided post-lesson video analysis of student technique, offering clear, feedback for improvement.
· Organised and adapted the daily lesson schedule based on real-time weather and ocean conditions.

Surf Instructor Assistant   August 2022 - September 2022

· Provided direct safety and technical support during surf lessons, working as a volunteer.
· Contributed to student satisfaction and learning objectives by maximizing their wave count.