

# Sofia Biurganovskaia

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## Education

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BS	ITMO University, Computer Science	2021 – 2023
BS	Neapolis University Pafos, Applied Computer Science JetBrains Program	2023 – 2025

## Awards and Scholarships

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JetBrains Scholarship in Neapolis University Paphos

## Work Experience

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<b>Hyperskill</b> , Educational content creator	Paphos, Cyprus
<ul style="list-style-type: none"><li>Created educational content for the Hyperskill platform</li><li>Tested other authors' content</li><li>Fixed bugs, errors, and typos according to user feedback</li></ul>	Feb 2023 – Feb 2024
<b>JetBrains</b> , Junior Developer at JetBrains Academy	Paphos, Cyprus
<ul style="list-style-type: none"><li>I am developing and maintaining JetBrains IntelliJ plugin features.</li><li>Added <b>integration of JetBrains Academy plugin with Rider IDE and Unity Editor</b>.</li><li>My current responsibilities include designing, developing, and maintaining Spring-based services.</li></ul>	Mar 2024 – present

## Technologies

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**Languages:** Kotlin, C/C++, Java, Python  
**Technologies:** Spring, Git, Docker, Kubernetes, Gradle, AWS, PostgreSQL

## Projects

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<b>Constant evaluation in Kotlin</b>	Sept 2024
<ul style="list-style-type: none"><li>Developed a <b>plugin</b> for the backend of Kotlin Compiler that allows evaluation of constant expressions at compile-time.</li></ul>	
<b>ISP</b>	May 2024
<ul style="list-style-type: none"><li>Developed an internet provider from scratch with BGP, NAT, DHCP, DNS using BIRD, FRRouting, iptables, and dnsmasq. Supports IPv4 and IPv6.</li></ul>	
<b>Custom bootloader</b>	May 2024
<ul style="list-style-type: none"><li>Developed a custom bootloader and a custom kernel from scratch for the operating systems course.</li><li>Tools Used: C, Assembly, QEMU</li></ul>	
<b>Plugin for Minecraft</b>	Aug 2021
<ul style="list-style-type: none"><li>Developed a plugin for Minecraft that turns built-in peaceful mobs into hostile ones and adds the possibility to launch a tornado.</li><li>Tools Used: Java, Spigot API</li></ul>	

## Selected Schools and Workshops

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**JetBrains**, AI Hackathon

Feb 2025 – Feb 2025

- Over the course of the hackathon we developed multiple **AI-driven features** integrated into IDE environment, allowing stacktrace explanation in a human-readable language and code refactoring of a learner's solution.

**Wargaming, Forge**, Maintenance course

Mar 2024 – June 2024

- Passed with a **certificate of successful completion**

**JetBrains**, Concurrent programming intensive course

May 2023 – June 2023

**Yandex**, Mobile development summer school

June 2022 – Aug 2022

**JetBrains**, Machine learning summer school

Aug 2021

- Passed with a certificate of successful completion

## Miscellaneous

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- English level C1 (**Password Skills Plus Test 7.0**, taken in Nov 2022)
- French level B2
- Diploma of 2nd degree in the All-Russian Olympiad in Linguistics (2018)