

Daniel Polzik

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EDUCATION

- **Neapolis University** Paphos, Cyprus
Bachelor's in Applied Computer Science. From 5th semester. Grant from JetBrains February 2023 - December 2024
- **ITMO University** Saint Petersburg, Russia
Bachelor's in Applied Mathematics and Computer Science September 2019 - January 2023
- **Physical Technical High School** Saint Petersburg, Russia
Secondary education September 2014 - June 2019

EMPLOYMENT

- **Amazon Web Services** Berlin, Germany
Software Engineer Intern on AWS tools, CDK, Kotlin, Typescript August 2024 - October 2024
- **Yandex** Saint Petersburg, Russia
Software Engineer Intern on Spring, Kotlin, Java, SQL December 2021 - July 2022

TECHNICAL EXPERIENCE

- **Neapolis University** Paphos, Cyprus
Computer Science student 2023
 - **Boot Loader and Memory Management for OS:** implementation of part of the OS for RISC-V architecture
 - **Parallel algorithms in Kotlin:** implementation of Treiber stack with the elimination technique, Michael-Scott queue, FAA-based queue with removal, Flat-combining-based queue, DCSS (double-compare single-set), CAS2, array, hash table
 - **C++ student projects:** implementation of bigint, unique_ptr, shared_ptr, optional, vector, doctest
 - **Compiler of programming language:** a compiler of functional programming language Lama with parser, translation to stack machine language and then to x86 assembler
 - **Sinus on Assembly:** implementation of sinus with high accuracy (100 digits) on RISC-V architecture
- **ITMO University Projects** Saint Petersburg, Russia
Computer Science student 2019-2022
 - **Shell in Java:** a realization of console application using Java.
 - **Website for posts:** a website, where user can write post and sent to others with using Spring framework, MariaDB, Java, HTML, CSS, Javascript.
- **JetBrains Android Academy** Saint-Petersburg, Russia
School intern Summer 2018
 - **Game for Android:** a mobile game that imitates production management in Kotlin.
- **Physical Technical High School Project** Saint Petersburg, Russia
School student January 2018 - January 2019
 - **Scanner of forms on Android:** a mobile application that helps teachers in checking paper tests using OpenCV, Java, C++ and Android

COMPETITIVE PROGRAMMING AND MATH

- **Russian Regional Olympiads in Informatics (2017, 2018, 2019):** 2th degree awards
- **Open Olympiad "IOIP" in Informatics (2019):** 2th degree award
- **Open Olympiad "OMMO" in Math (2019):** 1th degree award

SKILLS SUMMARY

- **Coding languages:** Java, Kotlin, C++, Python, Javascript, Haskell, Coq
- **Tools:** Git, Spring, MySQL, Maven, Gradle, Spring, Android, Unix, JUnit, IntelliJ IDEA, Clion
- **Languages:** English - B2, German - A1, Russian - native
- **Other:** Data structures, Algorithms, Parallel Programming, OOP, Functional Programming, Mathematical Analysis, Probability Theory, Linear Algebra