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

Yandex internship — Saint Petersburg, Russia
Software Engineer on Spring, Kotlin, Java, SQL, Perl — *December 2021 - July 2022*

TECHNICAL EXPERIENCE

Neapolis University — Paphos, Cyprus
Computer Science student — *2023*

- **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 Olimpiad "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, InteliJ IDEA, Clion
- **Langues**: English - B2, German - A1, Russian - native
- **Other**: Data structures, Algorithms, Parallel Programming, OOP, Functional Programming, Mathematical Analysis, Probability Theory, Linear Algebra