

VIACHESLAV SUVOROV

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Education

Jacobs University Bremen

Bachelor of Science in Computer Science

Sep. 2022 – Present

Bremen, Germany

National Research University Higher School of Economics

Bachelor of Science in Applied Mathematics and Computer Science

Sep. 2020 – Aug. 2022

Saint Petersburg, Russia

Relevant Coursework

- C++
- Java
- Kotlin
- Algorithms
- Data Structures
- Operating Systems
- Calculus
- Graph Theory
- Combinatorics
- Python
- Linear Algebra
- Probability theory
- Machine Learning
- Mathematical Statistics
- Distributed Systems
- Computer Vision

Experience

Software Analysis Internship | C++, klee, Git

Feb. 2022 – Jun. 2022

Huawei

Saint Petersburg, Russia

- Developed a static code analyzer which employs stack tracer systems to provide detailed error reports for code.
- Exported the static analysis engine results in a SARIF format to view results.
- Built a GitHub Action, which allows the user to see the statistical analysis results for their project.

Software Engineer Intern | Java, Kotlin, jOOQ, MySQL, Spring

Jul. 2022 – Aug. 2022

Yandex

Saint Petersburg, Russia

- Assisted on the contextual advertising system team by creating tracking links for customers to view on AppsFlyer
- Designed the storage model and updated the database schema to support this feature and supported at the representation model level
- Updated client database with tools for the client to view and distribute their promotions most effectively

Projects

Stop Voice Bot | C++, Magick++, Telegram API

Aug. 2021 – Present

- A Telegram bot receives a text message and replies with GIF emulating this message being typed on a generic smartphone. It is meant to be used for gently making fun of your friends who send lengthy voice messages when plain text is preferable.
- The emulation is realistic: it includes keyboard, shows key presses and input field with blinking cursor; some typos are added to the initial message intendedly.
- Magick++ library is used to handle graphics: text rendering, appending images, compression and conversion between formats. The bot is optimized for performance; for example, requests are handled in parallel to support multiple simultaneous users.

Todoler Note-Taking App | C++, Qt, boost, cpr, Python

Jan. 2021 – May 2021

- Developed an online Desktop Note-Taking app, similar to Google Keeps, with cloud data storage and email notification system.
- Implemented UI using Qt which allow the user to fully customize their notes. For example, the user can choose their desired time and date format, upload personal icon images, and choose how they want to be notified of their tasks.
- Created a constantly running server database using replit and connected the app to the server using cpr library

C++ labs (as a part of the university curriculum) | C++, C, boost

Sep. 2020 – May 2021

- Bank Ledger | Developed a simple program that emulates thread-safe bank transactions.
- Exception Safety Vector | Implemented dynamic arrays, which work similarly to vectors from the standard library, but provide strong exception safety guarantees.
- Calculator | Used C to create a library that allows the user to calculate values of arithmetic expressions with operations, brackets, and designed function calls.

Skills

Programming: Fluent: C++, Java, Kotlin, Python, Bash
Familiar: C

Technologies: jOOQ, klee, MySQL, Spring, CMake, Linux, GitHub, arc, Qt, L^AT_EX