

Andrei Kozyrev

Curriculum Vitae

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Education

- 2020–2022 **The Faculty of Mathematics and Computer Science, Modern Software Engineering**, *Saint-Petersburg State University*, Saint-Petersburg, Russia.
- 2022–2023 **Bachelor of Science, Computer Science**, *Constructor University Bremen*, Germany, Bachelor of Computer Science. GPA: **B+**.
- 2023–2025 **Masters of Science, Advanced Software Technology**, *Constructor University Bremen*, Germany.

Academic Conferences

- April 2020 **Scientific and Practical Conference “Academic Gymnasium”**, *Saint-Petersburg*, Russia.
Second place taken with **Diser** project, **website**.

Work Experience

- Summer 2022 **Junior Swift Developer**, *Saint-Petersburg*, Russia.
Worked as a junior Swift developer for two months at a tech outsourcing company.
- 2022–2023 **Intern at JetBrains Programming Languages Lab**, *Bremen*, Germany.
Proof automatization for COQ proof assistant using OCaml & Rust.
- 2023– **Software Developer at JetBrains Programming Languages Lab**, *Bremen*, Germany.
Proof automatization using LLMs.

Selected Projects

A note, names are referal to github projects.

- 2022 **Rust-NEAR-Sokoban**, Sokoban game implemented in Rust using near blockchain., **Rust**, **near sdk**.
- 2022 **High-Performance Network Programming in Swift**, Research on Highly-efficient network programming using Swift and any competitive ability of Swift in this sphere, **Swift**, **Java**, **Python**.
- 2022 **Progressive GAN Pytorch**, Progressive generative adversarial network implementation from “Progressive growing of GANs for improved Quality, Stability, and Variation” paper, **Python**.
- 2021 **Football App**, A fully working IOS app for monitoring soccer events. Has wide functionality: following players, following teams, adding events to calendar, **Swift**.
- 2021 **P2Beer**, A fully decentralized peer to peer desktop console messenger with a curses like interface. Created in a team of three people on first bachelor year, **Kotlin**.

Recent contests

- Place 16 globally in **Reply Code Challenge** 2021.
- Place 407 globally in **Google Hash Code** 2021.
- **JacobsHack** 2022 winner.

Technical Strengths

- **Languages:** Swift, Rust, C++, OCaml, Kotlin, Python, Haskell, SQL.
- **Skills:** Advanced Git skills, Experience with Coq, Knowledge of Algorithms and Data Structures