

# Andrei Kozyrev

## Curriculum Vitae

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### Education

- 2018–2020 **SPbU D. K. Fadeev Academic Gymnasium**, *Saint-Petersburg State University*, Saint-Petersburg, Russia, Applied Mathematics and informatics program.
- 2020–2022 **The Faculty of Mathematics and Computer Science, Modern Software Engineering**, *Saint-Petersburg State University*, Saint-Petersburg, Russia.
- 2022– **Jacobs University Bremen, Computer Science**, *Jacobs University Bremen*, Bremen, Germany, Currently a final year undergraduate student.

#### Other

- Various IOS development courses in Computer Science and Educational Centers in Russia

### 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– **Intern at JetBrains Programming Languages Lab**, *Bremen*, Germany.  
Proof automatization for COQ proof assistant using OCaml & Rust.

### 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