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