

# ALEXANDER KOVRIGIN

Bremen, Germany

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## EDUCATION

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### Jacobs University

09 2022 – 08 2024

*Bachelor of Computer Science*

*Bremen, Germany*

- **Courses taken:** Mathematical Statistic, Machine Learning, Probability and Random Processes, Operating Systems & Computer Architecture, Functional Programming, Databases & Web Services, Database Internals

### Higher School of Economics

09 2021 – 06 2022

*Bachelor of Computer Science, CGPA - 4.0/4.0*

*Saint Petersburg, Russia*

- **Courses taken:** Algorithms and Data Structures, C++, Python, Linear Algebra, Real Analysis, Discrete Mathematics

## EXPERIENCE


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### O-GPS CENTER

01 2020 – 01 2021

*Software Developer Intern*

*Saint Petersburg, Russia*

- Developed a **GPS-coordinates correction system** for live broadcasting of orienteering competitions.
- Came up with multiple models of coordinate correctors that use information about surrounding objects, sportsperson's velocity, etc., using a Kalman filter. Measured their accuracy and determined the best ones.
- Report 

## PROJECTS

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### Cavoke | C++, Boost, Qt, QML, Drogon, SQL, Docker

02 2022 - 06 2022

- Platform for creating and hosting multiplayer turn-based board games
- Coursework team project at the university (team of 3)


### Wikirace | Python, Django, SQL, Heroku

11 2021 - 12 2021

- **Online single-/multiplayer game** about traversing links from one Wikipedia page to another
- Live site 


### AlgorithmD | Kotlin, Angular, Firebase, App Engine, Auth0

06 2021 - 08 2021

- A **website for sharing snippets** of code (like gist, pastebin and others)
- Live site 

### PictureCrypt | Qt C++

06 2018 - 08 2018

- A simple **image-steganography** tool that hides data in pictures
- Homepage with downloads and examples 

## ACHIEVEMENTS

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### International Mathematics Competition for University Students

08 2022

*Second Prize, top 40%, 600+ contestants*

*online*

### Reply Code Challenge - Teen Edition

04 2021

*13th place worldwide (team of 3), 1900+ teams*

*online*

### Google Code-In

12 2018

*Finalist, top 5%, 3000+ contestants*

*online*

### Final of All-Russian Olympiad in Programming "IOIP"

03 2021

*Winner, top 2%, 300+ contestants*

*Saint Petersburg*

### Final of All-Russian Olympiad in Programming "Highest standard"

04 2021

*Prize-winner, top 18%, 390+ contestants*

*online*

### Final of All-Russian National Olympiad in Programming

04 2021

*Top 75%, 380+ contestants, qualified over Russia (more than 10k participants)*

*Moscow*

## SKILLS

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**Programming languages:** C++, Python, Kotlin, Java, Typescript, Javascript, Haskell

**Technologies/Frameworks:** Qt, Boost, Android, Angular, Django

**General:** Git, Linux, Bash, CMake, Docker, LaTeX, GCP

**Problem solving:** Competitive Programming, Olympiad math

**Languages:** English (C1), German (C1), French (A1), Russian (Native)