

# Ilkhom Sidikov

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## EDUCATION

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### University of Central Asia

Sep 2021 – May 2025 (expected)

Computer Science Bachelor's Degree – CGPA 3.5 / 4.0 – Dean's Honor List

Naryn, Kyrgyzstan

Relevant Courses: Computer Architecture, Algorithm Analysis, OOP, Web-Tech, DBMS, Automata Theory, AI, Computer Graphics

## EXPERIENCE

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### Yandex N.V.

June 2023 – Sep 2023 - (4 mos.) | Moscow, Russia

Software Engineer Intern | Stack: Go, ClickHouse, PostgreSQL

- Reduced the fee cost by 850% for payments in Africa by developing a microservice with a state machine to automate settlements
- Improved payment conversion rate by 25% by integrating new payment methods for customers in Zambia and Senegal
- Decreased the payment authorization time by 5x by upgrading reverse proxy server client and cleaning request headers
- Designed & developed a transfer feature in a mock server that helps to test and simulates transfer-flow of banks

### Inert Venture LLC

Jan 2023 – Mar 2023 - (3 mos.) | United States (remote)

Contract Software Engineer | Stack: Python, JS, Django, MySQL

- Designed & developed an analytics platform which analyzes sales funnels of 25+ Shopify stores with 40,000 daily hits
- Created 6 real-time sales funnel metrics about each product and user scenario using general event triggers
- Automated data collection from landing page A/B tests at any step of the funnel that replaced the manual test data collection

### Kloop Media

June 2022 – Sep 2022 - (4 mos.) | Bishkek, Kyrgyzstan

Software Engineer Intern | Stack: Python, Django RF, PostgreSQL, TensorFlow

- Optimized the memory usage of a Twitter scraper and saved 28 GB in server by auto-converting JSON output format into CSV
- Automated weekly data upload by developing a parser API that resulted in 4x less time needed for semantic analysis of tweets
- Increased the usage of dynamic application forms on the platform by 120% by developing a dynamic JSON generator
- Implemented Sentence Encoder in TensorFlow to convert tweets into high-dimensional vectors for further sentimental analysis

## AWARDS

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- The 2022 ICPC Northern Eurasia Finalist (International Collegiate Programming Contest - Semi-Finals)
- Absolute winner at the 2023 Spring Hackathon among the Universities of Kyrgyzstan, team format
- Top 10% at the 2019 National Bilimkana Math Olympiad among 7 000+ Students
- Absolute winner at the 2020 National English Olympiad of Kyrgyzstan among 50 000+ students

## PROJECTS

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### Classroom Booking System | Stack: Python, Django RF, MySQL | [Website](#)

- Designed & developed the backend of a room management system, connected 2 universities with 2000+ students in total
- Optimized the event creation time by 80% (5s - 1s) by implementing multi-threaded email verification methods
- Used SHA 256 hashing with salt to provide a fast & secure client-side email verification for the event creation process
- Automated the event synchronization on the platform to fetch the latest events from Microsoft Calendar of the organization

## EXTRA

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### Google Developers

Aug 2022 – May 2023 | Kyrgyzstan

Student Club Lead

- Founded GDSC and led a team of 8 students to impact 230+ students by organizing technical workshops with Go, Flutter and etc.
- Prepared university students to participate in a Google Solution Challenge with several projects on Climate Challenge
- Conducted a coding contest and authored 3 problems for 50+ students to recruit for the Competitive Programming Club

## PROGRAMMING SKILLS

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Languages: Go, Python, C++, Java

Tools: ClickHouse, OpenAPI, PostgreSQL, Linux, Git, Docker, Nginx, AWS, GitHub Actions, TeamCity CI/CD