ARTEMII SYCHEV

BACKEND AND ML DEVELOPER

CONTACT

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EDUCATION

2023 - 2023
MICHIGAN UNIVERSITY
- Python for Everybody

2022 - 2026
SOUTH URAL STATE UNIVERSITY
- Bachelor of CS
- GPA: 4.5 / 5.0
- Diploma project: Metamodel for automated test data generation

SKILLS

- Languages: Python, Rust, C++, SQL
- Backend: FastAPI, Django, Rocket
- ML: Sklearn, PyTorch, TensorFlow
- Databases: SQLite, PostgreSQL, MySQL, MariaDB, MsSQL
- Tools: Linux, Git, Docker
- English: B2
- Russian: Native

PROFILE

Junior Backend / ML Engineer with strong CS foundation. Experience in Python backend development, REST APIs, and applied ML (YOLO, BERT, classical ML models). ICPC regional participant. Comfortable with Python, Rust, C++, SQL. Looking for a junior backend or ML-oriented role. My projects are on the page 2

WORK EXPERIENCE

Center for Kids and Youth
2026 - PRESENT
Python Developer

- Developed infrastructure for efficient data collection and verification.Performed data checks to ensure accuracy and integrity.Integrated new data into existing frameworks for enhanced functionality.
- Documented all phases of software development lifecycle, creating comprehensive guides for future reference.

Top ACADEMY
2025 - PRESENT
Web programming teacher in Python

- Taught Python backend development to students
- Taught basic web development (HTML/CSS) for designers
- Taught numerical methods as part of applied mathematics curriculum

South Ural State University
2024 - 2025
Python Developer

- Developed backend services in Python for a statistical data collection system
- Designed and implemented functional with Django
- Performed data validation and integrity checks
- Worked as part of a grant-winning university project

ABOUT ME

Computer Science student with a strong foundation in algorithms and mathematics. Two-time ICPC regional contest participant. Experienced in backend development (Python, REST APIs) and applied machine learning, including YOLO-based video object detection and BERT for text classification. Developed multiple projects in Python, Rust, and C++, including a custom ORM and a grant-winning university backend system. Also have experience teaching numerical methods.

PROJECTS

🧠 Diploma Project — Test Data Generation Metamodel　　2026

Python, C++, Rust, LLM

- Designed a metamodel for automatic test data generation based on problem descriptions and constraints
- Implemented a JSON-based intermediate representation for task structure
- Built a generator producing valid test inputs respecting formal constraints
- Focused on software testing automation and data validation

Link: Link on request

⚙️ ArtemiiORM — Custom ORM Library　　2026

Python, probably Rust for Engine

- Developing a custom ORM library inspired by Django ORM concepts
- Implemented model definitions, query abstractions, and database interaction
- Project focused on understanding internals of data mapping and backend frameworks

Link: https://github.com/artemiy-228/ArtemiiORM

🤖 YOLO-Based Video Object Detection　　2025

Python, YOLO, Computer Vision

- Implemented a YOLO-based model to detect players and shuttle in badminton match videos
- Processed video streams and extracted object-level data
- Applied computer vision techniques for real-time detection tasks

Link: https://github.com/artemiy-228/bandminton-match-detection

🌐 University Grant Project — Backend System　2024-2025

Python, Django, REST API

- Developed backend services for data collection and statistical analysis using Django
- Designed and implemented REST APIs and data validation logic
- Integrated backend services with existing data processing pipelines
- Worked as part of a team on a grant-winning university project