

# Murad Bashirov

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## Summary

Sophomore bachelor student at KAIST. Always seeking for new opportunities and learning new things. A nerd who loves tinkering with his computer, loves Linux, NeoVim, and spends time customizing his workflow and development environment. Average Rust lover. Currently learning Operating Systems and Embedded programming in Rust. Ex-physics olympiad student with several medals from international competitions.

## Education

### KAIST(Korea Advanced Institute of Science and Technology)

*Daejeon, S.Korea*

B.S. IN COMPUTER SCIENCE(ADVANCED MAJOR)

*Aug. 2021 - Present*

- **Related Coursework:** System Programming, Introduction to Services Computing, Programming Principles, Data Structures & Algorithms, Discrete Mathematics

## Work Experience

### Weprosper inc. - Freelance

*Remote - Seoul, S.Korea*

BACKEND ENGINEER

*Sep. 2021 - Dec. 2021*

- Implemented the REST API **from scratch** for the new video-based social platform called AYO
- Designed **MySQL** database models for the same social platform
- Used **flask** as the main framework, libraries such as flask-restx, flask-sqlalchemy are also used

### StoneLab - Freelance

*Remote - Seoul, S.Korea*

BACKEND ENGINEER

*Nov. 2021*

- Implemented a **REST API** with Auth+Google auth/post with images/account verification functionality
- Used **Django** as main framework, Djang-Rest framework as API framework, Azure storage as image storage.

### YPA Physics

*Remote - USA*

FULL STACK DEVELOPER

*Aug. 2020 - Oct. 2020*

- Designed and developed website for PhBA - a physics competition conducted in Azerbaijan with more than **40 teams** - using Django and Bootstrap.
- Implemented the frontend for a competition called YPA-rapid in Reactjs.

## Projects

### Wardrobe Manager

*Fall 2022 - Ongoing*

- Designing and implementing an application that is your wardrobe assistant.
- Using different types of sensors from a **Raspberry Pi** such as humidity/contact sensor to determine conditions that are best for different types of clothes
- Integrating different types of **services** such as weather and location API to recommend clothes from your wardrobe.
- Designed the service architecture with **SoaML**, currently being implemented in **Django** backend, **React** frontend, **Rust** for embedded programming in Raspberry Pi.

### How does fake news affect public opinion

*Fall 2022 - Ongoing*

- Analysing **big data** in order to know how fake/controversial news articles affect public opinion at Reddit, Twitter
- Using publicly available fake news, tweets, reddit archive **datasets**
- Using **pandas** for data analysis, **nlTK** for basic NLP, **matplotlib** for data visualization

## Skills

**Languages** Python, Rust, C, JavaScript/TypeScript, Java, Go, HTML/CSS, LaTeX

**Frameworks & Tools** Django, Flask, Linux, Git, GitHub, React, NextJS, matplotlib, pandas, nlTK

## Honors

Dec. 2020 **Bronze medal**, IdPhO - International distributed Physics Olympiad(IPhO 2020 replacement)

*Moscow, Russia*

Jun. 2021 **Bronze medal**, EuPhO - European Physics Olympiad

*Talinn, Estonia*

2021, 2020 **Silver, bronze medals**, IZhO - International Zhautikov Olympiad

*Almaty, Kazakhstan*