


Yusif (Joseph) Mehdiyev

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 [JosephMehdiyev](#)  [Yusif Mehdiyev](#)
Glasgow, United Kingdom
Citizen of Azerbaijan

EDUCATION

• University of Glasgow

2025 - 2028

BSc in Mathematics(FR)

Glasgow, United Kingdom

- Azerbaijan's Full Ride State Scholarship Recipient
- GPA: 21/22
- Full List of Coursework and Self Study [in this link](#)

• ADA University

2024 - 2025

BSc in Mathematics

Baku, Azerbaijan

- GPA: 3.96/4.00
- Rector's List of Honor
- Lotfi A. Zadeh List of Honor
- IELTS: 7.5 (8.5/8.5/6.5/6)

EXPERIENCE

• Teaching Assistant in ADA university

February 2025 - May 2025

Teaching Assistant in Linear Algebra

Baku, Azerbaijan

- Assisted with grading homework or exams, proctoring exams, tutoring, offering office hour assistance to students, and performing clerical tasks associated with course instruction.

SELECTED PROJECTS

• Numerical Methods library written scratch in C++.

January 2025 - Ongoing

Tools: C++, Cmake



- Developing a numerical methods library implementing algorithms for solving linear systems, interpolation and extrapolation, root-finding, eigenvalue and eigenvector computation, optimization, numerical differentiation, numerical integration, statistical computation etc.

• Azerbaijan's Real Estate market scraper and analyzer

November 2025

Tools: Python, PostgreSQL



- Built a proper data pipeline including scraping raw data from website, organizing and tidying according to Tidyverse schema, storing it in PostgreSQL and conducting statistical analysis and data visualizations about Real Estate market of Azerbaijan.

• Cormat: 3D Physics engine from scratch.

March 2024 - June

Tools: C++, Cmake, OpenGL, GLFW, ImGui, GLSL shaders



- Developed a backend with OpenGL to render meshes of primitive shapes with OOP.
- Used Linear Algebra Transformations, Mathematical and Physical algorithms to simulate Rigid Elementary Particles with Collisions.

SKILLS

- **Programming Languages:** C, C++, Python, R, Lua, CUDA
- **Libraries:** Numpy, Scipy, Pandas, Matplotlib, Seaborn, Tidyverse
- **Database Systems:** PostgreSQL
- **DevOps & Version Control:** Git, Cmake, Docker
- **Other Tools & Technologies:** Latex, Linux (arch and debian based), Microsoft Office, Vim/Neovim, OpenGL, JupyterLab
- **Language Knowledge:** Azerbaijani (Native), Turkish (C1), English (C1), French (B1)