

# Yusif (Joseph) Mehdiyev

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 [JosephMehdiyev](#)  [Yusif Mehdiyev](#)

Glasgow, United Kingdom, Student Visa  
Eligible to work in UK




## EDUCATION

- **University of Glasgow** 2025 - 2028  
*BSc in Mathematics(FR)* Glasgow, United Kingdom
  - Azerbaijan's Full Ride State Scholarship Recipient
  - Full List of Coursework and Self Study [in this link](#)
- **ADA University** 2024 - 2025  
*BSc in Mathematics* Baku, Azerbaijan
  - Major GPA: 4.0/4.0
  - Rector's List of Honor
  - Lotfi A. Zadeh List of Honor
  - IELTS: 7.5 (8.5/8.5/6.5/6)
- **Complete Secondary School Number 12** 2013 - 2024  
*General Secondary Education* Baku, Azerbaijan

## 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.

## PROJECTS

- **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.
- **Numerical Methods library written scratch in C++.** November 2025 - Ongoing  
*Tools: C++, Python, Cmake* 
  - Developing a numerical methods library implementing algorithms for solving linear systems, interpolation and extrapolation, root-finding, eigenvalue and eigenvector computation, optimization, numerical differentiation, and numerical integration.
  - Building Python scripts to automatically generate performance and accuracy visualizations to compare implemented algorithms.
- **Azerbaijan's Real Estate market scraper and analyzer** November 2025 - Ongoing  
*Tools: Python, PostgreSQL* 
  - Scraped data about real estate market of Azerbaijan over the popular internet websites and built a PostgreSQL table.
  - Filtering, organizing and analyzing data to find out more about the Real Estate Market of Azerbaijan.


## SKILLS

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- **Programming Languages:** C, C++, Python, R, Lua
- **Libraries:** Numpy, Scipy, Pandas, Matplotlib, Seaborn
- **Database Systems:** PostgreSQL
- **DevOps & Version Control:** Git, Cmake, Docker
- **Other Tools & Technologies:** Latex, Linux (arch and debian based), Microsoft Excel, Vim/Neovim, OpenGL, Tableau, JupyterLab
- **Language Knowledge:** Azerbaijani (Native), Turkish (C1), English (C1; IELTS 7.5), French (B1)

## CONTESTS, AWARDS AND OTHER ACTIVITIES

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- **Azerbaijan Olympiads Forum Maintainer** April 2022 - September 2022  
*Art of Problem Solving Forum* 
  - Archived Azerbaijan Olympiad TSTST, TST and other problems for various national and international olympiads such as Azerbaijan Senior National Olympiad, Juniors' and Seniors' Balkan Mathematical Olympiad and International Mathematics Olympiad.
- **Azerbaijan Juniors' Mathematics Camp Participant** September 2021 - June 2022  
*Azerbaijan Olympiad camp for training individuals for famous mathematical olympiads such as IMO, BMO, and JBMO*
  - Collaborated with peers to solve challenging mathematical problems
  - Participated in intensive training sessions, improving problem-solving strategies and critical thinking abilities
- **Azerbaijan Mathematics Team Selection Tests Participant** September 2021 - June 2022  
*Azerbaijan TST for famous mathematical olympiads such as IMO, BMO, and JBMO*
  - Participated in TST of Azerbaijani team