



HUSEYN IBRAHIMLI

BIOLOGICAL SCIENCES · BIOTECHNOLOGY · BIOMEDICAL ENGINEERING

</> huseynibrahimli.com

✉ huseyn.ibrahimli2710@gmail.com

📍 Baku, Azerbaijan · Dubai, UAE

</> github.com/Lavamaster99/ai-pneumonia-xray-classifier

PROFILE

Student researcher working where biology meets measurement. At 16 published a single-author, peer-reviewed review of CAR T-cell therapy; built and open-sourced a medical imaging tool whose weakest model is engineered to abstain rather than guess; and at 14 became the youngest observer ever accepted by a psychoneurological clinic in Baku. A trained artist with two international placements; using drawing to understand three-dimensional structure before modelling it. Intend to study biological sciences, biotechnology or biomedical engineering and to work on cancer at the discovery end — mechanism, not just treatment.

KEY HIGHLIGHTS

Peer-reviewed publication

Sole author, IJHSR 8(7), 2026

Open-source AI tool

93.3% accuracy, 1.5% false negatives

Clinical observership

8 weeks in psychiatry, aged 14

International art awards

2nd place UK · 1st place in Russia

EDUCATION

Apr 2024 – Jun 2027

King's InterHigh, United Kingdom

British Curriculum — Year 10 to Year 13

International A-Levels (Pearson Edexcel), 2027 — Biology, Chemistry, Mathematics. SAT: sitting November and December 2026.

IGCSE (Pearson Edexcel), 2025 — Biology, Chemistry, Physics, Mathematics, English Language, Geography, Business Studies.

Sept 2021 – Mar 2024

International School of Choueifat, United Arab Emirates

SABIS Curriculum — Grades 7 to 9

Consistent top-band results: Grade 8 average 96%; Grade 9 averages 93% (Term 1) and 91% (Term 2).

RESEARCH & PUBLICATION

2026

International Journal of High School Research

Sole Author — Peer-Reviewed Review

Ibrahimli, H. (2026). "In Cancer Immunotherapy Using CAR T Therapy and Emerging Advances in Stem Cell Therapy." *IJHSR*, 8(7), 50–53. DOI: [10.36838/IJHSR87.50](https://doi.org/10.36838/IJHSR87.50)

Framed his own research question: why CAR T-cell therapy achieves 70–90% remission in B-cell leukaemias and lymphomas yet largely fails in solid tumours, and whether iPSC-derived manufacturing can overcome T-cell exhaustion and short persistence.

Led the literature search and critical appraisal, wrote the manuscript through peer review, and designed three of the paper's figures himself.

2025

Indigo Research (6 weeks)

IRIS Program — Genetics

Completed with distinction under Dr Hamidreza Shaye, Postdoctoral Scholar at Stanford University, who is acknowledged in the published paper.

PROJECTS & EXPERIENCE

2026

Independent project — open source

Medical Imaging Dashboard — Builder

Built a dashboard running three convolutional neural networks on chest X-ray, breast ultrasound and mammogram images; every model must show which image regions drove its output.

Chest X-ray pneumonia model: 93.3% accuracy at a 1.5% false-negative rate. The mammography model performed at chance, so he engineered it to abstain and return no prediction — a deliberate safety decision rather than a hidden failure.

Code: [GitHub](#) · Project page: [BioShowcase](#)

2026

HeyQ — in-car agentic AI assistant

Technical Support, then Product Contributor

Reproduced bugs and read stack traces for the build team for a month, then joined engineering and product meetings. Proposed giving the assistant driver-facing vision ("giving the AI eyes"), which became a key product direction.

2022

Independent project

Mincuber — LEGO Mindstorms Rubik's Cube Solver

The solving algorithm worked, but the robot halted on impossible states; traced the fault to the colour sensor misreading the physical stickers, not the code, and iterated through three cubes until the colours read cleanly.

CLINICAL EXPERIENCE

Jul – Aug 2024

"Nefes" Psychoneurological Health Center, Baku

Observational Clinical Internship (8 weeks)

Supervised, non-clinical placement at age 14 — the youngest applicant the Center has accepted, admitted on the strength of his interview. Observed consultations and therapy sessions; attended multidisciplinary case discussions across psychiatry, clinical psychology, neuropsychology and speech therapy and trained in clinical ethics. Left asking why psychiatry has no objective measurement — the question behind his later imaging work.

2025 – 2026

Brighton and Sussex Medical School, UK

Virtual Work Experience

Completed 59 lessons across 7 modules — including mental health, palliative care and cancer, ethics and history-taking — with a reflective submission.

AWARDS

2025

Golden Time Talent, London (international)

2nd Place — Abstract Painting, Season 74 (ages 15–17)

International online competition; three works submitted — The Emotions That Make Us, The Hand and the Puppet, and The Eye of Creation.

2026

Union of Artists of Russia Exhibition Hall, Rostov-on-Don

1st Place — "Teachers and Students" Exhibition

Awarded by the Professor Turov Centre for Creative Development.

2026

Professor Turov Centre, Rostov-on-Don

Exhibition Participant Diploma — "First Steps in Art"

ART, ACTIVITIES & COMMUNITY

2022 – present

Studio of E. R. Azim-Zade, Member of the Union of Artists, Russia/Azerbaijan

Academic Drawing & Painting

Academic training in perspective, plastic anatomy and tone; oils, mixed media, texture relief and assemblage.

How art feeds his science: anatomical drawing trains him to see three-dimensional structure — the same spatial reasoning he uses to picture protein and cell architecture — and it taught him that you cannot draw a structure you have not understood. He applied this directly by designing the figures in his published paper.

2025 – present

Renzo Gracie Academy Azerbaijan

Brazilian Jiu-Jitsu

Trains about 6 hours a week with partners aged 13 to 30 from several nationalities, often with no shared language — technique is the common tongue. Values it as "physical chess": calm problem-solving under pressure.

Volunteering

Azerbaijan, Baku

Community Engagement

Volunteers in coastal clean-up initiatives to protect marine ecosystems.

Assists in teaching IELTS Speaking to local students, helping them build confidence and improve their scores.

Interests

Building, Mountains & Film

LEGO building and structural design; skiing and snowboarding; filming short nature reels in the mountains of Azerbaijan, UAE and China.

SKILLS & LANGUAGES

- | | | | |
|--------------------------|----------------------------|--------------------|--------------------|
| • Python (pandas, NumPy) | • Neural networks (CNNs) | • Model evaluation | • Git / GitHub |
| • Literature appraisal | • Scientific figure design | • Academic writing | • Plastic anatomy |
| • English — fluent | • Azerbaijani — native | • Russian — fluent | • Academic drawing |

REFERENCES

Dr Ikram Rustamov, M.D., Ph.D.

Deputy Dean, School of Medicine, Qarabağ University; Chief Psychiatrist, Nefes

Dr Vafa Shirinova

Executive Director, Nefes Psychoneurological Health Center

Ekaterina R. Azim-Zade

Member of the Union of Artists; Master Instructor, academic drawing and painting studio, Baku

Ayaz Suleymanov

Head Instructor, Renzo Gracie Academy Azerbaijan