

**Elif Leyal UĞRAŞ**

**Medical Student & Researcher**

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## EDUCATION

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**Bezmialem University Medicine Faculty**

**10/2023 – Present**

Medicine (%30 English)

**Expected Graduation:** 06/2030

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• **High School Graduation:** 01/2023

**Kartal Anatolian Imam Hatip High School**

*Istanbul, Turkey*

**GPA:** 98/100

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• **IBDP Graduation:** 01/2023

**High Level Courses:** Mathematics Analysis and Approaches (5), Biology (6), English B (7)

**Standart Level Courses:** Physics (7), Turkish A (6) Turkey in the Twentieth Century (6)

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• **IGCSE - Graduation:** 06/2020

**Courses:** Biology (A\*), First Language Turkish (A\*), Mathematics (A\*), Physics (A\*), Chemistry (A\*), English as a Second Language (A\*)

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## Language Proficiency

Turkish (Native), English (Professional Working Proficiency), Arabic (Working Proficiency), German (Elementary Proficiency)

## EXPERIENCES

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### **Egypt Assiut University | Internship**

**11/2024 – 12/2024**

Interned in cardiothoracic surgery department of Assiut Medical School University Hospital and supported to the operation room staff when needed. Responsibilities include: Attending clinical hours under the supervision of doctors, taking the patient history (anamnesis), sterilization of the surgical equipment, suturing.

### **International Symposium of the UNESCO Chair | Presenter**

**10/2024 – 11/2024**

Invited to 2nd International Symposium of the UNESCO Chair on Science Diplomacy and Scientific Heritage on “Scientific Legacy as People's Heritage” organized in Mexico City. Presented a paper entitled "The Timeless Wisdom of Rhazes: A Legacy Reimagined for Contemporary Medicine” as being the youngest and only Turkish presenter.

### **Jordan University of Science and Technology| Internship**

**06/2024 – 07/2024**

Worked as a voluntary laboratory assistant and involved in a research project about Cystic Fibrosis. Conducted experiments, wrote two research papers and supported to the laboratory staff when needed. Responsibilities include: Collection and preparation of samples for analysis, organization of the laboratory environment and maintenance of technical equipment.

### **RIMSA Congress| Presenter/Active Participant**

**03/2024 – 04/2024**

Gave a presentation entitled “Cross-Stress Resistance in *Saccharomyces Cerevisiae* Cells” in Rzeszow International Medical Students Association (RIMSA) Congress 2024 and awarded with the 2<sup>nd</sup> place among more than 120 presentations. Attended lectures made by Professors from Poland and from whole Europe. Took part in prepared workshops such as “Principles of Electrocardiography”.

### **Linux Users Association | Software Developer**

**07/2023 – 08/2023**

Designed a project after attending Data Science and Python bootcamp. Analyzed several datasets using various libraries such as NumPy, Pandas, Matplotlib, Seaborn, PyTorch etc. Mastered the core principles of machine learning and deep learning as an attempt to understand the latest advancements.

### **Shadowing at Bezmialem Hospital | Internship**

**01/2023 – 02/2023**

60+ hours of shadowing with physicians from various medical specialities such as cardiology, gynecology, ophthalmology, nephrology, orthopedics and so on. Highlight of the experience include: attending surgeries, observing physicians examining the patients, discussing the possible diagnosis with the doctor, engaging with patients in accordance with the instructions of the nurses.

### **Bezmialem University | Internship**

**06/2021 – 07/2021**

Selected as one of six high school students from across the country and instructed to learn about biochemistry, microbiology, molecular biology, biotechnology, biophysics, bioinformatics, anatomy, and medical engineering.

### **Istanbul Sabahattin Zaim University | Internship**

**04/2020 – 09/2020**

Worked as a laboratory assistant and involved in three research project. Conducted experiments, wrote two research papers and supported to the laboratory staff when needed. Responsibilities include: Collection and preparation of samples for analysis, organization of the laboratory environment and maintenance of technical equipment.

**TÜBİTAK Project Team | Project Developer**

**01/2020 – 06/2020**

Developed two projects in the fields of food safety & environment for TÜBİTAK research initiative.

**The Waste Land Symposium | Organizer**

**10/2020 – 12/2020**

Organized a two-day symposium on “The Waste Land” by T. S. Eliot. Gave a presentation to 150 participants. Wrote and published an analysis of the poem.

**KAIHL MUN Academy | Executive Board Member**

**11/2018 – 09/2022**

Started a Model UN education program for 120+ freshmen all over Turkey. Designed a curriculum that includes procedural education and case studies which lasts for eight weeks in total, and organized online workshops.

**PROJECTS AND RESEARCHES**

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**05/2020 – Present** Oral History Research: Being “Over 65” in a Pandemic

*social sciences, oral history, interviews with elderly, recording experiences, publications*

**03/2021 – 09/2022** Cross-Stress Resistance in *Saccharomyces cerevisiae* Cells

*abiotic stress agents, Saccharomyces cerevisiae, stress response, gel electrophoresis, UV spectrophotometry*

**12/2021 – 01/2022** Investigation Of The Correlation Between HDI And Mortality Rates Due To Breast Cancer Before And During The Covid-19

*breast cancer, Human Development Index, database, WHO, United Nations Reports, statistical testing*

**10/2021 – 01/2022** Developing Mathematical Optimisation Methods for Sustainable Baking

*Lagrange Multipliers, the Hessian Matrix, partial derivatives, volume constraint, Tinkercad*

**07/2021 – 08/2021** How Does the Differing Concentration of Contact Lens Solution Affect the Refractive Index?

*physics, optics, Snell’s Law, refractive index, salinity, angle of minimum deviation, apex angle, lens solution*

**05/2021 – 07/2021** The UK’s Approach Towards British Citizens on the Cyprus Island in the British Press During and After the Cyprus Peace Operation

*social sciences, Cyprus, history, Hansard, The Observer, newspaper, UK Parliament achieves*

**12/2020 – 04/2021** A Game Theoretical-Approach For COVID-19 Vaccination by Constructing the Payoff Matrices

*game theory, Nash Equilibrium, Payoff Matrices, applied mathematics, vaccination, SIR model*

**10/2020 – 01/2021** A Philosophical Evaluation: Within the Framework of Natural Sciences and Arts, Is It More Important to Have Credibility or Power?

*philosophy, knowledge, natural sciences, arts, falsification/verification, power, credibility*

**02/2020 – 09/2020** TÜBİTAK Biology Project: Purifying Water with *Moringa oleifera* Seeds

*Moringa oleifera, water pollution, water purification, potable water, coagulation*

**01/2020 – 04/2020**    Projections of Christianity in the Images of the Waste Land by T. S. Eliot

*literature, poem, allusions, bible, literary analysis, The Waste Land , text of the communiqué*

## **AWARDS & HONORS**

2022 Bezmialem University Biotechnology Summer Camp	Best Participant
2022 International Youth Forum Model OIC	Best Delegation
2021 TÜBİTAK Research Projects Competition	Honorable Mention in Biology
2021 HARVARD Future Doctors Program	Best Overall Award
2020 Al Burak Association National Story Competition	Fourth Place in Turkey
2020 TÜBİTAK Research Projects Competition	Best Presentation Award
2019 Ibn-i Haldun University Winter Camp	Best Participant
2019 Istanbul Erkek German High School Model UN Conference	Outstanding Representation Award
2019 Short Movie Competition	Judge Special Award
2018 Chess Tournament	Third Place in School
2018 National High School Entrance Exam	0.94% Ranking in Turkey
2018 Regional Taekwondo Tournament	Quarter Finals

## **COURSES AND CERTIFICATIONS**

2023 Turkey Biologists Association- National Biology Conference
2023 Linux Users Association- Data Science and Python Bootcamp
2022 Yeditepe University- Forensic Medicine Conference
2022 HAYAT Medical Foundation- The Moral Status of an Embryo Seminar
2022 Istanbul Literature Centre- Creative Writing Workshop
2022 School of the Civilization Conception - Philosophy of Science and the Metaverse Camp
2022 School of the Civilization Conception - Film Aesthetics and Tarkovsky Camp
2022 Triangle Centre for Evolutionary Medicine (TriCEM) - Evolution of the Placenta and Placentation
2021 Turkish Language And Literature Society- Elocution Education Webinar

2021 Goethe Institute B1 German Course

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2020 Harvard Medical School Open Education- Neurology for the Non-Neurologist

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2020 Boğaziçi University Biotechnology Conference

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2020 YALE University Open Courses - Principles of Evolution, Ecology and Behavior

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2019 National Mathematics Olimpiad Trainings

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2018 Information Technologies and Communication Academy Summer Camp

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2017 TRT Ankara Radio Turkish Folk Music (Solo and Choir)

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## EXTRACURRICULAR ACTIVITIES

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**Writer** **11/2016 - Present**

Practicing creative writing in various platforms such as my personal blog and literary magazines. Attended writing competitions and gained several awards. Compiled a “travelogue” to publish as a travel guide.

**Flute Player | Band Member** **08/2021 – Present**

Learned how to play the flute in eight months and gave a concert for 500+ people in a classical music band.

**Medical Ethics Book Club | Organizer** **10/2021 – 04/2022**

Gathered together with a group of six people, including two intern doctors, to read books about medical ethics and share fruitful discussions online. Examples of the books: Medicine and National Socialism(2018), On Moral Medicine (1987), Disputes on Bioethics (2020) etc.

**Overseas Education Club | President** **08/2021 – 06/2022**

Assembled students who were interested in studying abroad to fill the position of study abroad counselor at the school. Organized collaborative studies.

**Istanbul Book | Participant** **09/2021 – 06/2022**

Visited Istanbul's historical landmarks with the guidance of historian Dr. Sema Küçükalioglu Özkılıç. Attended presentations and seminars about art history of the city.

**Fairytale Days | Organizer** **09/2021 – 03/2022**

Organized five consecutive "fairytale days" with my friends to discover new tales. Designed posters and present fairytales for 250+ participants.

**Dictionary of Borges | Writer** **12/2020 - 09/2021**

While discussing Jorge Luis Borges' books with his friends, they noted the symbols that were used. Described the underlying meaning with respect to literature, film, and art using alternative etymology.

**Theatre | Scenarist****05/2021 - 06/2021**

Wrote a scenario for a national theatre competition. Performed at a conference to the school.

**History Talks | Head****03/2020 - 08/2020**

Organized conferences online about history where students prepares presentation weekly basis. Every conference is archived and recorded. The discussions examine the history of sociology, economics, and religious thought in different regions of the world. Gave presentations on “Cultural and Intellectual Life in Early Modern Europe” and “Religious Unification and Renewal in Early Modern Europe”

**Taekwondo****07/2015 – 01/2018**

Obtained a red belt (one level under the black belt), participated in national and regional Taekwondo tournaments.