

Damir Maksut

Personal

Name **Damir Maksut**
Address **Kazybek bi 125/3, 0500000 Almaty**
Phone number **+77081448939**
Email **dmaksut2003@kisnet.org**

Education and Qualifications

International Baccalaureate

Aug 2021 - May 2023

Kazakhstan International School

The International Baccalaureate is a globally recognized program of education offered by the International Baccalaureate Organization. It aims to provide students with a well-rounded education that prepares them for success in higher education and beyond. Kazakhstan International School offers the IB program, which provides students with a challenging and rigorous curriculum that emphasizes critical thinking, creativity, and international understanding.

A-level

Jan 2021 - Jun 2021

Galaxy International School, Almaty

The A-level program is a rigorous and internationally recognized curriculum offered by the United Kingdom. It is typically taken by students in their final two years of secondary education. Galaxy International School offers the A-level program which prepares students for higher education and provides them with a strong foundation in their chosen subjects. It is recognized by universities around the world as an indicator of academic excellence.

National Curriculum

Sep 2015 - Dec 2020

39th - Specialized Physics & Mathematics School for Gifted Children, Almaty

A Specialized Physics & Mathematics School for Gifted Children is a school that focuses on providing advanced education in mathematics and physics for students who have demonstrated exceptional aptitude in these subjects.

Work experience

Internship in "Beyond Curriculum"

Almaty

I had the opportunity to participate in PF "Beyond Curriculum," a STEM program that offers learning experiences beyond the traditional school curriculum. Alongside my coach, I assisted in preparing the national World Robotics Olympiad team for the international stage. We worked on stabilizing the team's robot and implementing algorithms to ensure its success. It was a rewarding experience to see the team's hard work and dedication pay off on the international stage, and I am grateful for the opportunity to have been a part of their journey. The STEM program not only provided valuable learning opportunities, but it also allowed me to apply my skills in a real-world setting and make a meaningful contribution to the team's success.

Internship in "Samsung coding lab"

I completed an internship at Samsung Coding Lab, where I focused on Android app development. During my time there, I had the opportunity to learn from seasoned programmers and work with software systems such as Java and Android Studio. With the guidance of my mentors, I developed an app with a small team to help users easily navigate their way around the city. In addition to honing my coding skills, I also gained experience working with and managing databases thanks to the expertise of the programmers at Samsung Kazakhstan. Overall, it was a valuable learning experience and I am grateful for the opportunity to have interned at such a renowned company.

Teaching in "American Space & Makerspace Almaty"

As a volunteer teacher at the American Space & Makerspace Almaty, I had the opportunity to create and teach a robotics course at the "maker space" hub. I worked with 53 students, teaching them the basics of circuits and helping them model and program robots using the Arduino kit. In addition to leading this course, I also organized two master classes in the Makerspace in conjunction with Chevron. This volunteering experience allowed me to share my passion for robotics with others and make a positive impact on my community. It was a rewarding experience that helped me grow both personally and professionally.

≡ Achievements

Int'l NASA Space Apps Challenge

"Best project" on the int'l stage 2019 & 2022. Won a 2500\$ grant.

I have participated in The Nasa Space Apps Challenge competition for the past several years, using their expertise in robotics and programming to come up with creative solutions. As the leader of a team of seven people, I was responsible for dividing tasks evenly, coordinating the overall process, and providing assistance to my teammates when needed. In our most recent project, I was working on developing algorithms to analyze plastic objects in space and teaching computer vision algorithms (YoloV4) to detect them.

Kazakhstan Int'l Robotics competition by VEX (KIRC)

3rd place within 24 countries (7%).

I had the opportunity to participate in the Kazakhstan International Robotics Competition by VEX (KIRC), and I am proud to have won 3rd place among 24 countries (7%). One of the key challenges in this competition was to design and build a robot that could complete all tasks and score the most points. I was responsible for creating the robot's design and writing the code that would allow it to navigate through the course efficiently. My robot was able to complete the task in just 5 minutes, which was 1.5 times faster than any of the other robots.

World Robot Olympiad.

2020: 4th place - nat'l. 2021: 3rd place - nat'l. 2021: 8th place - int'l.

I had the opportunity to participate in the World Robots Olympiad and was proud to win at the national stage of the competition, ultimately achieving 8th place at the international stage. Our team's goal was to create a robot that could address the issue of energy efficiency. We developed a road system with the robot that was able to save 40% of the energy. As a member of the team, my responsibility was to create a program for the robot using Android Studio. It was a challenging but rewarding experience to work with my team to find a creative solution to a real-world problem. I am proud to have been a part of the second national team to ever win a place and award at this prestigious competition.

Informatix Asia

3rd place, top 3% among all post-Soviet states

I participated in the Asia Informatix with a team of three people. Our team created an app that utilized artificial intelligence for the fastest object detection possible. To ensure accuracy, we built a database of 150 objects. We were thrilled to win the award for the most impactful solution among all participants. The experience was challenging and rewarding, and I am proud of what our team was able to accomplish.

Int'l Science and Engineering Fair by Intel (ISEF)

3rd place, top 5% from all participants.

In the national Science and Engineering Fair by Intel, where me and my supervisor (professor Makashov Yerlan at Kazguu University) presented a project focused on optimizing the work of local cooling towers. To achieve this, we created a program in Visual Studio that could quickly calculate all of the necessary data for the towers, rather than having to do it by hand. The program was written in C++ and used MySQL as a database, and it was able to increase the calculation rate by six times. As a result, workers no longer had to waste a significant amount of time on this task. The program is currently being used in four local cooling towers in Almaty, Kazakhstan, and it has proven to be a valuable tool in improving efficiency and productivity.

International multidisciplinary olympiad in Spain (4th place)

International stage of a math olympiad, which is a competition that tests students' mathematical knowledge

and problem-solving abilities. The event was hosted in Spain, and you participated and achieved 4th place overall. During the week, you attended classes that covered advanced mathematical concepts and worked on solving challenging and logical math questions.

National Almaty Roboman 2019/2022 Robotics competition

I won 1st place in the robotics section and the 2nd place in the 3D modeling section of the National Almaty Roboman 2019/2022 Robotics competition which is the national stage of the competition.

International "Alikhan bokaikhanov" informatics competition

Regional/ City stage - 1st place in the informatics section

"Baiterek" Hackathon

Participating in a Hackathon was an exciting and challenging experience for me. A Hackathon is a competitive event where teams of programmers, designers, and other tech-savvy individuals come together to develop new software or hardware solutions to a specific problem or challenge. In this particular Hackathon organized by "Ot Basy" Bank in Almaty, my team and I were tasked with creating an app that could optimize and accelerate the work of the bank. Through our hard work and collaboration, my team and I were able to create an app that scanned important information from the ID of the person and filled it in the documents. Our efforts paid off as we were awarded second place and received a prize of 300 000tg

Robotics Club

Opened a Robotics education centre. "Rolab Academy" is a registered sole proprietorship w/ 5 offices, 236 students & 7 faculty. Co-founder a educational business centre in Almaty. Prepped 63 students for robotics competitions. Fundraised 11500\$ from my school to expand. Recruited teachers among local university students.

Astronomy Club

Headed the Astronomy Club for students of Haileybury Almaty & KIS school. Co-founder & Vice-President. Organized 7 hikes to the mountains to observe stars & planets. Provided telescopes & eyepieces. Taught astronomy to 42 students for 2 months.

Music School

Reinhold Gliere Music School, which I attended from 4th-10th grade. Graduate of a musical school. Specialized in guitar & piano. Gave 6 indiv. performances. Played in the orchestra. Won "the best guitar performance" school award.

KISmas Donation

As the head of the KISmas gift donation, I had the privilege of leading a school-wide effort to collect money to buy gifts for children in need in time for the new year. This was the second year that our school had organized this activity, and as the president of the social media department, I was responsible for using platforms such as Instagram, posters, and videos to encourage people to donate. Through our efforts, we were able to collect a total of \$500, which we used to provide gifts for 132 children in the charity. It was a heartwarming experience to be able to bring joy to so many children during the holiday season, and I am proud of the impact that our school was able to make through this initiative. Overall, it was a rewarding and meaningful experience, and I am grateful to have had the opportunity to lead such an important effort.

#MyFreedom day

#Myfreedom is a day-long online campaign that raises awareness of modern slavery. Researched modern slavery forms. Vice-president of the social department. Fundraised 220\$ by selling branded #Myfreedom masks at school & sent the funds to the charity org. which fight w/ it

Climate Science

I had the opportunity to volunteer with ClimateScience, a science-based organization for climate activists with branches around the world. I was based in two schools in Kazakhstan - Galaxy International School and Kazakhstan International School - and worked to set up the organization's first chapter in the country. With a team of 37 people, we organized three events centered around garbage clean-up and recycling in the local mountains. It was a rewarding experience to be able to make a positive impact on the environment and educate others about the importance of sustainability.

Skills

Java / Android Studio

Skillful

Python

Experienced

C++

Experienced

SQL Database

Intermediate

Video editing

Experienced

Languages

English

Fluent

Russian

Native

Kazakh

Native

Turkish

Beginner