

From the first year of high school I actively participate in school olympiads: astronomical, physical, mathematical, and this year the computer. In the second year of high school I was awarded the titles of the finalists from the Physical Olympics and Mathematical Olympiad, and my score during the final of Mathematical Olympiad qualified me for the Polish national team at the European Girls' Mathematical Olympiad to be held in Turkey in 2014. Last year I won regional qualifications for the National Youth Astronomical Seminar (OMSA) and took third place in the final of OMSA for my work and presentation "Radio observations of neutral hydrogen". In the second year of high school I decided to attend classes for students at the Jagiellonian University. In addition to courses in physics and mathematics I was also a student of lectures about astronomy for students of 4th and 5th year "The Universe seen through the close binary systems" in English, and I passed it with grade 4.

In the last year of middle school and the first of high school I attended the astronomical circle organized by the Jordan Centre in Krakow Jordan in collaboration with the Jagiellonian University. During the course, I learned a lot in the field of modern astronomy, cosmology, and I was able to use telescopes in Astronomical Observatory of the Jagiellonian University. Currently I participate in school astronomical circle and help in its organization.

In my award-winning work on OMSA I have determined a rotation curve and a partial map of the Milky Way. For this purpose I performed the radio observations of neutral hydrogen in the Milky Way using the Krakow radio telescope, which is available through the program Hands-On Universe Poland. It may be that my work will be published in the "Urania" as a tutorial for students. In the summer, after qualifying, I attended the International Astronomical Youth Camp IAYC. I was in a group that dealt with the construction of sensors and software development for the meteorological station. My project was to write programs in Python and C, for reading out, saving, and presenting the data collected by sensors in the form of graphs.

I also co-created a website for our group. With classes in this group I gained knowledge about meteorology, basic microprocessors, building electronic circuits and programming. While on IAYC I also had the opportunity to listen to lectures in English, frequent observations and using professional telescopes. I spent many nights on the shooting constellations and finding deep sky objects. At the end of camp, I wrote a report on my projects (software for the station and website) in English, which will be placed in the IAYC 2013 booklet.

I hope that achievements and activities I have mentioned confirm my willingness and desire to participate in the international astronomical camp.