

Lukass Kellijs



Profile

Possessing a keen interest in applied physics, engineering, and astronautics, I hope to someday work in related fields. Therefore, I spend most of my time participating in and cultivating various STEM and space-related projects both nationally and internationally. I enjoy solving complex problems and have received recognition in international Olympiads and research competitions.



Education

Yale University, New Haven

September 2023 — May 2027

Engineering High School of Riga Technical University, Riga

September 2020 — July 2023

Jazeps Medins' Riga 1st School of Music, Riga

September 2009 — May 2018



Extra-curricular activities

Head / Public Relations Manager at European Space Camp (ESC), Andøya

September 2022 — Present

Largest space camp in Europe. One of 6 international volunteers, responsible for leading work, planning, organizing, and promoting ESC.

Avionics Team Lead / Graphic Designer at Riga Technical University High Power Rocketry Team, Riga

October 2020 — September 2023

First rocketry team in Latvia. In charge of leading the Avionics sub-team, developing and testing all logical and electrical systems used in our launches. In 2021 became the first university rocketry team in the Baltic States to reach the 1 km mark.

Player at U-19 BJBS Riga Basketball, Riga

September 2010 — September 2023

In 2020 captained the team en route to reaching I division basketball.

Participant / Team Leader / Mentor at European Space Agency's CanSat Competition, Riga

December 2020 — September 2022

In 2021, lead the first-ever team to represent Latvia: won the "Most Professional Team" award, one of 6 awards in a competition of 19 countries. Since then have helped promote the project in Latvia and personally mentored multiple CanSat teams.



Research

Forest Damage – Bark Beetle Identification Using Remote Sensing in Latvian Territories, Riga

September 2021 — September 2022

Independently conducted research. Awarded perfect score at the National Research Competition, and chosen to represent Latvia at the EU Contest for Young Scientists 2022 for which I received the Natural Biodiversity Award 2022. Later, held a briefing with top Latvian forestry experts about my developed solution.



Achievements

September 2021 — Present

- International Physics Olympiad 2022, 2023 - Bronze Medal
- European Physics Olympiad 2022 - Bronze Medal
- Latvian National Physics Olympiad 2021, 2022, 2023 – 1st place
- EU Contest for Young Scientists 2022 - Natural Biodiversity Award 2022
- Nordic-Baltic Physics Olympiad 2022 - Silver Medal
- Baltic States French Olympiad 2021 - Silver Medal
- Latvian Open National Astronomy Olympiad 2021 – 1st place
- Latvian National Chemistry Olympiad 2021 – 2nd place

Details

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Links

LinkedIn

GitHub

Skills

C++

Python, Data Analysis

JavaScript

Electronics,
embedded programming

Adobe Illustrator, InDesign,
Premiere Pro

CAD, 3D Printing

LaTeX

Hobbies

Basketball, Skiing, Snowboarding,
Downhill Longboarding, Guitar,
Astronomy, French Literature.

Languages

Latvian

English

French