

Lukass Kellijs

Profile

Hello! I am an undergraduate student at Yale University studying Applied Physics. I enjoy pursuing opportunities to practically learn and participate in scientific activities and enjoy creating such opportunities for others through volunteering in educational projects.



Education

Yale University

September 2023 — May 2027 (New Haven, USA)

Applied Physics (B.S.) '27

Engineering High School of Riga Technical University

September 2020 — July 2023 (Riga, Latvia)

Jazeps Medins' Riga 1st School of Music

September 2009 — May 2018 (Riga, Latvia)

Extra-curricular activities

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

September 2022 — Present (Andøya, Norway)

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

Director of Outreach / Member, Yale Undergraduate Aerospace Association (YUAA)

September 2023 — Present (New Haven, USA)

Board member, responsible for alumni relations, speaker, professional development, and outreach events for the club. Member of CubeSat (Mechanical), and Liquid Rocket (Propulsion) teams.

Avionics Team Lead at Riga Technical University High Power Rocketry Team

October 2020 — September 2023 (Riga, Latvia)

First rocketry team in Latvia. In charge of leading the Avionics sub-team, developing and testing all electrical systems used in our launches.

Participant / Mentor at European Space Agency's CanSat Competition

December 2020 — September 2022 (Riga, Latvia)

In 2021, lead first-ever team to represent Latvia. Later, helped promote the project and mentored other CanSat teams.

Research

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

September 2021 — September 2022 (Riga, Latvia)

Independently conducted research. Awarded perfect score at the National Research Competition and chosen to represent Latvia at the EU Contest for Young Scientists 2022.

Achievements

- **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 National Chemistry Olympiad 2021** - 2nd place

Details

Riga, Latvia / New Haven, USA

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Links

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Skills

Python, Data Analysis, C++
Matlab, R, JavaScript, Electronics, Embedded Programming, Graphic Design, CAD (Solidworks, Onshape), 3D Printing, LaTeX

Interests

Physics, Engineering, Machine Learning, Robotics, Sensor Technologies, Space, Earth and Planetary Sciences, Climate Sciences

Hobbies

Basketball, Skiing, Snowboarding, Downhill Longboarding, Guitar, Reading.

Languages

Latvian

English

German

French