



## CONTACT

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## PROJECTS

### RESEARCH

DIY Spectrometr for open science (2022-2024):  
**Institute of physical chemistry CAS** - SOČ 2nd National round, JVK 3rd National round

Submarine (ROV) for marine research (2019-2023):  
**PřF Charles Uni, PřF OSU**, SOČ 2nd, Little Czech Brain 2nd, JVK 2nd place

### SOFTWARE

**SenseTies.com** - app assisting neurodivergent children using AI analysis of their behaviour

AI analysis of urine cultivation tests (2023): clinical app development within **Microsoft**

SQL database for digital archival metadata - **National Archives of the Czech Republic**

## ACTIVE CITIZENSHIP

Mentoring of talented students AMIGO (2025)

European Youth Parliament: conferences

- Poland - trainer (2025)
- **Spain - chairman** (2024)
- **Ireland, Azerbaijan** - delegate (2023)
- **Finland - chairman** (2023)

President of highschool student council

## CERTIFIED

- C2 English - Cambridge CAE
- Medikemp of Faculty of medicine HK
- **CERN Hands on Particle Physics International Masterclasses**
- Graduate of Microsoft STC - two year selective programme
- **Microsoft Certified**
  - Azure AI Fundamentals
  - Azure Data Fundamentals
  - Azure Fundamentals
- Cisco
  - Introduction to Cybersecurity
  - Introduction to IoT

## HOBBIES

- **11y playing piano, violin**
- **6y singing, dancing in Folklore group**, success at festivals: Finland, Taiwan, Serbia, Austria
- **Writer**: 1st, 2nd, 2nd, 3rd place in regional competition in prose and poetry
- **11y painting**: 3rd place Terezín Memorial (2024), Madame Humanité Prize

# David Theodor Nimrichtr

Medtech student, developer, leader

A proactive student engaged in **medical science, IT and education** with a passion for innovative approaches and the progress of society. Pursuing a career in biomedicine, **having applied modern technology to the life sciences in several projects bridging research, medicine and business**. Success in competitions such as Chemistry and Physics Olympiads, hackathons, **Highschooler of the year**. Co-founded several projects like the **Oxbridge Czech/Slovak scholarship programme** and [SenseTies.com](https://senseties.com) for neurodivergent children. Presided an NGO developing active citizenship in the EU.

## EDUCATION

2025 - ongoing	<b>University of Oxford</b> <b>MBiomedSci Biomedical Sciences</b> Master of Biomedical Science (4 year course) Specialisation in Cell and Systems Physiology and Neuroscience
2024 - 2025	<b>3rd Faculty of Medicine, Charles university</b> <b>General Medicine</b> + <b>Faculty of Information Technology, CTU in Prague</b> <b>Computer Science</b> Finished full year in both with top grades, interrupted after being accepted to Oxford.
2016- 2024	<b>Gymnázium Pardubice, Dašická 1083</b> <b>General grammar school, 8 years</b> School leaving exam: 100 % Math, 100 % Czech, A Biology, A Physics, A Chemistry, A English

## AWARDS

2025	<b>Oxford Edge Hackathon</b> : 1st place (best team overall) with <a href="https://senseties.com">SenseTies.com</a>
	<b>Highschooler of the year</b> : 5th place (2024), TOP25 (2023), organiser of the 2025 round
	<b>Students' professional activities (SOČ science fair)</b> : 2nd, 2nd in national, 1st, 1st in regional round, 2x international participation
	<b>Junior Science Conference (JVK), Charles University</b> : 2nd, 3rd place, now member of jury
	<b>General Academic Prerequisites Test, SCIO</b> : 100th percentile Nationally
	<b>Chemical Olympiad</b> : 1st, 2nd, 2nd, 2nd place in regional, participant at national round
	<b>award of the Vice-Dean of Faculty of Natural sciences, Masaryk University</b>
	<b>Young talent of Pardubice region</b> - part of 23 selected students from entire region
	<b>Czech national programming championship</b> : 8th place
	<b>Little Czech Brain (České hlavičky)</b> : 2nd place in category GENUS - natural sciences
	<b>scholarship of the dean of Faculty of Nuclear Sciences and Physical Engineering, CTU</b>
	<b>Czech Rocket Challenge</b> : 3rd place

*all certificates available on [LinkedIn](https://www.linkedin.com/in/david-nimrichtr/)*

## EXPERIENCE

2025->	<b>OxbridgeStipendium.org</b> Co-founder of a scholarship programme supporting talented Czechs/Slovaks In charge of PR for Student and philanthropy outreach.
2021-2025	<b>European Youth Parliament Czech Republic (volunteering)</b> President and Vice-President of a non-profit Organising conferences for 1400+ students from all over Europe per year. Team management, financial and legal administration (turnover over 1.4 million CZK), project management. Obtaining grants (Erasmus+ €40.000, Ministry of foreign affairs 200.000 CZK) and patronages (Czech president, ministers, various governors and mayors). Cooperation with MPs, MEPs, academics.
2022-2024	<b>Center for Talented Minds</b> Programming tutor (8-14 yo students) <b>Noe - Private Elementary School</b> Teacher of IT and programming (13-15 yo students)