



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 for neurodivergent children. Presided an NGO developing active citizenship in the EU.

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 Terežín Memorial (2024), Madame Humanité Prize

EDUCATION

2025 – ongoing

University of Oxford

MBiomedSci Biomedical Sciences

Master of Biomedical Science (4 year course)

Specialisation in Cell and Systems Physiology and Neuroscience

2024 – 2025

3rd Faculty of Medicine, Charles university **General Medicine**



Faculty of Information Technology, CTU in Prague **Computer Science**

Finished full year in both with top grades, interrupted after being accepted to Oxford.

2016 – 2024

Gymnázium Pardubice, Dašická 1083

General grammar school, 8 years

School leaving exam: 100 % Math, 100 % Czech, A Biology, A Physics, A Chemistry, A English

AWARDS

- 2025 • **Oxford Edge Hackathon**: 1st place (best team overall) with SenseTies.com
- 2025 • **Highschooler of the year**: 5th place (2024), TOP25 (2023), organiser of the 2025 round
- 2025 • **Students' professional activities (SOČ science fair)**: 2nd, 2nd in national, 1st, 1st in regional round, 2x international participation
- 2025 • **Junior Science Conference (JVK), Charles University**: 2nd, 3rd place, now member of jury
- 2025 • **General Academic Prerequisites Test, SCIO**: 100th percentile Nationaly
- 2025 • **Chemical Olympiad**: 1st, 2nd, 2nd, 2nd place in regional, participant at national round
- 2025 • **award of the Vice–Dean of Faculty of Natural sciences, Masaryk University**
- 2024 • **Young talent of Pardubice region** – part of 23 selected students form entire region
- 2024 • **Czech national programming championship**: 8th place
- 2023 • **Little Czech Brain (České hlavičky)**: 2nd place in category GENUS – natural sciences
- 2023 • **scholarship of the dean of Faculty of Nuclear Sciences and Physical Engineering, CTU**
- 2022 • **Czech Rocket Challenge**: 3rd place

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

EXPERIENCE

2025 –>

OxbridgeStipendium.org

Co-founder of a scholarship programme supporting talented Czechs/Slovaks
In charge of PR for Student and philanthropy outreach.

2021–2025

European Youth Parliament Czech Republic (volunteering)

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

Center for Talented Minds

Programming tutor (8–14 yo students)

Noe – Private Elementary School

Teacher of IT and programming (13–15 yo students)