



CONTACT

t@nimrichtr.cz

theo.nimrichtr.cz

in/david-theodor-nimrichtr

PROJECTS

RESEARCH

DIY Spectrometer for open science (2022–2024):

Institute of physical chemistry CAS – SOČ 2nd National round, JVK 3rd National round

MD simulation of tRNA (2024): **FCHI UCT** – intern

Submarine (ROV) for marine research (2019–2023):

PřF Charles Uni, PřF OSU, SOČ 2nd, Little Czech Brain 2nd, JVK 2nd place

Environmental probe in Svalbard (2022): **PřF JČU** – presentation at algological conference of JČU

SOFTWARE

AI analysis of urine cultivation tests (2023): **Aidian** –

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 – chairperson (2024)
- Ireland, Azerbaijan – delegate (2023)
- Finland – chairperson (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

David Theodor Nimrichtr

Med&Tech student,
active scientist and leader

A proactive student engaged in 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 academic competitions such as Students' professional activities, Junior Science Conference and Chemistry and Physics Olympiad. Presiding an NGO which develops active citizenship among students and participates in conferences throughout Europe. Also an avid musician, dancer, reader and poet.

EDUCATION

2025 – ongoing

University of Oxford
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

Understanding of medical and technological fields. (interrupted)

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

Highschooler of the year: 5th place (2024), TOP25 (2023), organiser of the 2025 round

Students' professional activities (SOČ science fair): 2nd, 2nd in national, 1st, 1st in regional round, 2x international participation

Junior Science Conference (JVK), Charles University: 2nd, 3rd place, now member of jury

General Academic Prerequisites Test, SCIO: 100th percentile Nationally

Chemical Olympiad: 1st, 2nd, 2nd, 2nd place in regional, participant at national round

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

2023

Czech national programming championship: 8th place

2022

Little Czech Brain (České hlavičky): 2nd place in category GENUS – natural sciences

Physics Olympiad: 2nd, 2nd place in regional round

scholarship of the dean of Faculty of Nuclear Sciences and Physical Engineering, CTU

Czech Rocket Challenge: 3rd place

all certificates available on [Linkedin](#)

EXPERIENCE

2021–ongoing

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.

2025

SCIOexams.com

Author of university test exam questions (used by most czech universities)

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)