



## 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

- Spain – chairperson (2024)
- Ireland – delegate (2023)
- 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

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)*