



# 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, **leading a team representing Oxford at the largest genetical engineering competition on Earth** and doing **computational research into immunology/cancer @ Oxford**. 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 a medium-sized NGO** developing active citizenship in the EU.

## CONTACT

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## PROJECTS

### RESEARCH

**Computational T Cell research for improving cancer and autoimmune therapies (2026+)** - W.Institute of Molecular Medicine, Oxford University  
Submarine (ROV) for marine research (2019-2023): **PřF Charles Uni, PřF OSU, SOČ 2nd, Little Czech Brain 2nd, JVK 2nd place**

### SOFTWARE

[SenseTies.com](https://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 Terezi Memorial (2024), Madame Humanité Prize

## EDUCATION

2025 - ongoing

**University of Oxford**  
**MBiomedSci Biomedical Sciences**

Specialisation in Cell and Systems Physiology and Neuroscience  
• **fundraised £300K+ for tuition fees from private sponsors**

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

- 2026 • **Global Neurotech Hackathon, SF: 3rd place** (beat Stanford and Berkeley teams)
- 2025 • **Oxford Edge Hackathon**: 1st place (best team overall) with [SenseTies.com](https://SenseTies.com)  
• **Highschooler of the year: 5th place** (2024), TOP25 (2023), organiser of the 2025 round  
• **Czech ISEF** (SOČ science fair): **2nd, 2nd national**, 1st, 1st regional, 2x international participation  
• Junior Science Conference (JVK), Charles University: 2nd, 3rd place, now member of jury  
• Czech **SAT test** (SCIO): **100th percentile** in the country
- 2024 • **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
- 2023 • **Czech national programming championship: 8th place**
- 2022 • **Little Czech Brain (České hlavičky)**: 2nd place nationally  
• Scholarship of the dean of Faculty of Nuclear Sciences and Physical Engineering, CTU  
• **Czech Rocket Challenge**: 3rd place (built a rocket)

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

## EXPERIENCE

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**Oxford University iGEM Team** (largest genetic engineering competition)

*Co-founder and leader of our team of 15 students*

Working on a year-long project engineering bacteria inside the bee gut to eradicate varroa mite and deformed wing virus infections (costing \$billions annually)

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**OxbridgeStipendium.org**

*Co-founder of a scholarship programme supporting talented Czechs/Slovaks*

*In charge of PR for Student and philanthropy outreach.*

21-25

**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 (T/O \$80K+).. Cooperation with Czech President, minister of foreign affairs, MPs, MEPs, academics.*

22-24

**Center for Talented Minds**

*Programming tutor (8-14 yo students)*