

MATĚJ LEV HART

PERSONAL INFORMATION

Date of birth: 18th March 2002

Citizenship: Czech

ACADEMIC BACKGROUND

Gymnasium PORG Libeň 2014 – 2022
Eight-year grammar school

Bachelor's Degree in Mathematical Modelling 2022 – 2025
Charles University, Faculty of Mathematics and Physics
Thesis: *Simulating Rayleigh-Bénard convection using Smoothed Particle Hydrodynamics*
Supervisor: doc. RNDr. Michal Pavelka, Ph.D.

Masters's Degree in Mathematical Modelling in Physics and Technology 2025 – ongoing
Charles University, Faculty of Mathematics and Physics
Thesis: *Continuum Mechanics of Lipid Membrane Fusion and Hemifusion*
Supervisor: Christoph Allolio, Ph.D.

PROFESSIONAL EXPERIENCE

Mida Consulting 2020 – 2022
Consulting firm for EU subsidies

- Conducted research on industry trends, resulting in reports and articles on key topics for clients.
- English-Czech translation
- Administrative work
- Writing articles

Math tutoring 2024 – present

- Tutoring students on introductory university-level mathematics (calculus, multi-variable calculus, linear algebra, introductory numerical mathematics)

KEY SKILLS

- **Programming Languages:**
 - Python - algorithms, data structures, basic program desing
 - Wolfram Mathematica - basic knowledge
 - Julia - basic knowledge
- **Software:** MATLAB, LaTeX

LANGUAGE KNOWLEDGE

Czech Native speaker
English C2 level, CPE certificate
German Basic knowledge, B2 with certificate

CONTACT INFORMATION

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PERSONAL INTERESTS

- Bouldering
- Playing music