Bc. Matěj Vais

Gender: Male
Date of Birth: 8th May 2000
Place of Birth: Teplice, Czech Republic
Citizenship: Czech Republic

📱 +420 733 727 523
⌨ matejvais
✉ maty.vais@gmail.com

Education

Mathematical Modelling in Physics and Technology Sep 2023 – Present
Masters degree, Charles University, Faculty of Mathematics and Physics *Prague, Czech Republic*
Thesis: Computation of flows of incompressible power-law fluids for low values of power-law index
Supervisor: Prof. Patrick Farrell, Ph.D., University of Oxford

Mathematical Modelling Sep 2020 – Sep 2023
Bachelors degree, Charles University, Faculty of Mathematics and Physics *Prague, Czech Republic*
Thesis: Deep learning for the solution of differential equations
Supervisor: Scott Congreve, Ph.D., Charles University

Bachelor of Mechanical Engineering (unfinished) Aug 2019 – Sep 2020
Czech Technical University in Prague, Faculty of Mechanical Engineering *Prague, Czech Republic*
Successful completion of the first year of studies

Gymnázium Teplice Sep 2015 – May 2019
General upper secondary education with Maturita exam *Teplice, Czech Republic*

Study Stays

Mathematical Institute, University of Oxford October 8 – December 19, 2024
study stay focused on my master's thesis, attended one course *Oxford, United Kingdom*

Job Experience

Private Tutoring May 2022 – Present
In-person and online tutoring of mathematics, physics, and similar subjects

Additional Courses and Activities

Webmaster, SIAM Chapter Prague September 2024 – Present
website administrator for a student student chapter of SIAM *Prague, Czech Republic*

Hack Kosice 2023 April 1–2 2023
Participation in a programming competition *Košice, Slovakia*

Qminers Quant Hackathon 2022, 5th place November 26 2022
Participation in a competition in algorithmic sports betting *Prague, Czech Republic*

Introduction to Machine Learning with Python September 2022 – January 2023
Course on theoretical foundations, basic concepts, and techniques *Charles University, Prague*

Programming 3 September 2022 – January 2023
Course on algorithms and data structures, C/C++ *Charles University, Prague*

Programming 2 February 2022 – May 2022
Course on algorithms and data structures, Python *Charles University, Prague*

Programming 1 September 2021 – January 2022
Introductory course, Python *Charles University, Prague*

Skills

Languages: *Czech (native), English (C1, Cambridge Advanced English certificate), German (passive)*
Programming Languages: *Python (intermediate), C/C++ (basic)*
Driving License: *Category B*

Interests

Sports: strength training, running, cycling, swimming, cross-country skiing, hiking
Other: reading non-fiction, small DIY projects and repairs