Simon Bartoň



About me

Undergraduate student at Faculty of Mathematics and Physics | Charles University interested in atmospheric models

Personal

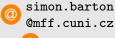
Šimon Bartoň nationality: Czech 2003

Areas of specialization

Mathematical modelling Atmospheric physics · Gravity waves

Interests

Literature · Music active & passive • sport in nature





CURRICULUM TIMELINE

2024-present

Internal Gravity Waves Research

DEPARTMENT OF ATMOSPHERIC PHYSICS · Faculty of Mathematics

Looking into instability of internal gravity waves and resulting turbulent mixing of air being my thesis topic supervised by RNDr. Petr Šácha, PhD.

2022-present

Undergraduate at Mathematical Modelling

FACULTY OF MATHEMATICS AND PHYSICS | CHARLES UNIVERSITY Prague 💡

Currently a third-year student of the study programme Mathematical modelling, which combines both mathematics and physics, as well as programming, thereby preparing the student for being able to formulate a problem as a mathematical model and to put it through suitable programming language into practice

2020-2021

Secondary School Research Project

Malostranské gymnázium · Prague 💡

Concerned myself with contemporary German literature and mostly with its translation to Czech, the resulting work meeting the requirements of bachelor thesis was awarded first place in the national stage of the SOČ competition (Středoškolská odborná činnost) in the subject of Theory of Art, Culture and Artistic Creation



Malostranské gymnázium

PRAGUE · 9

Eight-year grammar school with wide scope of activity



OTHER EXPERIENCES

preparing pupils for mathematical part of secondary school entrance **Tutoring**

exams

Tutoring assistance for undergraduate students with preparation for university

mathematics exams

Leading being one of the leaders at a children's canoeing summer camp **Translating** volunteer member of Khan Academy translation team recreating en-

glish educational texts, videos and exercises in Czech (worked on top-

ics such as maths, physics, atmosphere and climate)

CERTIFICATES & GRANTS

2021 **CAE** Certificate

2022 School Leaving Certificate

(i.a. for German)

LANGUAGES

C2 Czech mother tongue **English** C1 C1 German

Programming

python matlab **LATEX** mathematica