

Curriculum Vitae

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Education

- 2021 – now **Master studies** at Faculty of Mathematics and Physics, Charles University Prague (field of study: Mathematical and Computer Modelling in Physics)
- 2021 **Bachelor state exam** at Faculty of Mathematics and Physics, Charles University Prague (subject: Physics) – graduated with high distinction
- 2021 **Bachelor thesis defense** at Faculty of Mathematics and Physics, Charles University Prague (*Jump conditions and dynamic surface tension at non-material interfaces*, advisor: RNDr. Ondřej Souček)
- 2017 – 2021 **Bachelor studies** at Faculty of Mathematics and Physics, Charles University Prague (field of study: General Physics)
- 2019 a semester at Université Grenoble Alpes as a part of **ERASMUS+** study programme (field of study: Physics)
- 2012 – 2017 **Secondary school studies** at Jozef Gregor Tajovský Secondary School, Banská Bystrica, Slovakia (French bilingual studies)
- 2017 **Secondary school leaving exams** (maturita), subjects: French Language and Literature, Slovak Language and Literature, Mathematics, Physics, Chemistry

Awards & Accomplishments

- 2022 **Jan Kratochvíl Award** for Master students of physical and technical modelling – awarded by the *Nečas Center for Mathematical Modelling* for outstanding results and initiative
- 2022 **3rd place** at the **ŠVOČ 2022** competition in Bratislava, Slovakia – presentation of bachelor thesis results

Extracurricular Activities

- 2019 – 2020 *Numerical Modelling of Jump Conditions and Dynamic Surface Tension at the Phase Interfaces of the First Kind* at Mathematical Institute, Faculty of Mathematics and Physics, Charles University Prague (**student project**)
- 2019 *Numerical Modelling of the Glaciation on Meridiani Planum, Mars* at Mathematical Institute, Faculty of Mathematics and Physics, Charles University Prague (**student project**)
- 2018 *Study of plastic deformation in magnesium alloys using acoustic emission* at Department of Material Physics, Faculty of Mathematics and Physics, Charles University Prague (**student project**)
- 2014 Creative Short Courses at Nottingham Trent University: *Writing Tomorrow for 15 – 17 Year Olds: Staking Your Place in the Written World* (**summer school**)
- 2012 – 2014 *Sur Les Pas de Robert Desnos* at Jozef Gregor Tajovský Secondary School (**multimedia school project**)

Work Experience

- 2022 Newsmatics (Regex specialist)
- 2022 Study.com (Physics Quiz answer explanation writer)

Skills

•Technical Skills•

Software Utilities Microsoft Office (*intermediate*), LibreOffice (*intermediate*), COMSOL MultiPhysics (*beginner*), OriginLab (*advanced*), GIMP (*intermediate*), Inkscape (*intermediate*), MuseScore (*advanced*)

Programming Languages Python (*intermediate*, in particular the Fenics computing library), Fortran (*intermediate*), Matlab (*intermediate*), Wolfram Mathematica (*intermediate*), gnuplot (*intermediate*), HTML (*beginner*)

Version Control Systems git (*intermediate*), GitLab (*intermediate*), GitHub (*beginner*)

Typesetting Languages L^AT_EX (*advanced*), Markdown (*advanced*)

Operating Systems Windows (*intermediate*), Linux (*intermediate*)

●Language skills●

Slovak (*native*), Czech (*advanced*), English (*proficient*, CAE certificate with grade A), French (*advanced*, DALF C1 certificate)

Interests

Music (intermediate flute player, beginner guitar player), Sports (long-distance running, mountain biking, ski touring)