

Filip Jay Doba

SUMMARY

I am a driven coder with experience in problem solving and teamwork, mostly thorough various competitions. Team player with an eye for detail.



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SKILLS

- Python - Advanced
- C/C++ - Intermediate
- Java - Intermediate
- JS - basics
- respective IDEs - JetBrains/VSCode
- LaTeX - Advanced
- Google/Libreoffice suite

EDUCATION

SECONDARY SCHOOL

2014 - present

School for Gifted Children and
Grammar School, Bratislava

Škola pre Mimoriadne Nadané Deti a
Gymnázium

- Focus on informatics, mathematics
and physics through vocational
subjects

PROJECTS

RUSH HOUR SOLVER

Designed and built recursive brute-force algorithm for solving generalized Rush Hour puzzles in Python over the course of the year as part of a school project

15-PUZZLE SOLVER

Designed and built a solver for a generalized version of the 15-puzzle for an $m \times n$ grid in Python

COMPETITIVE EXPERIENCES

- Slovak mathematical correspondence seminar: kms.sk
- Programming correspondence seminar: ksp.sk
- What are correspondence seminars:
en.wikipedia.org/wiki/Physics_Correspondence_Seminar
- National Mathematical Olympiad:
<https://skmo.sk/index.php?jazyk=en>
 - 2021/22 - 37. out of 46 at regional level, cat. A
- Physics Náboj: physics.naboj.org/sk/en/
 - 2022/23 - 7. out of 133. international, cat. Seniors
- Mathematical Náboj: math.naboj.org
 - 2020/21 - 64. out of 591 international, cat. Juniors
- Fyziklání: fyziklani.org
 - 2021/22 - 30. out of 61, cat. B, 99. out of 162 overall
- Zenith of programming: zenit.svsbb.sk
 - 2022/23 - 28. out of 35, regional level

LANGUAGES

English - C2 certificate

German - B2

- based on school german studies

Slovak - native