Richard Hladík

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Currently starting an MSc programme in Computer science at ETH Zürich. Research interests: algorithms, data structures, combinatorial optimization and flow networks.

Education

Sept. 2021–Now	MSc in Computer science **ETH Zürich**
Sept. 2017–June 2021	Bc. in Computer science **Charles University**, Faculty of Mathematics and Physics, Prague
May 2017	upper secondary education **Grammar School and Commercial Academy Mariánské Lázně**

Achievements

2019	ACM-ICPC Central European Regional Contest[†] – 5th place, advancing to World Finals 2020
2018	ACM-ICPC World Finals[†] – 56th place
2017	International Olympiad in Informatics – Silver medal (69th place)
2016	ACM-ICPC Central European Regional Contest[†] – 12th place (unofficial participation)
2016	International Olympiad in Informatics – Bronze medal (154th place)

Research Experience

June 2018–Dec. 2020	Part-time job in the Industrial Informatics Research Center, Czech Technical University, Prague. Research in scheduling and optimisation.
Mar. 2020–Jun. 2021	Computer Science Institute, Charles University, Prague. Research in network flows and convex optimisation. A part of a Student Faculty Grant and my bachelor's thesis.

Publications

[1] Richard Hladík, Anna Minaeva, and Zdeněk Hanzálek. On the complexity of a periodic scheduling problem with precedence relations. In *International Conference on Combinatorial Optimization and Applications*, page 107–124. Springer, 2020.

Teaching

- Programming II practicals for advanced students (Spring 2020, Spring 2019), co-taught with Martin Mareš
- Programming I practicals for advanced students (Autumn 2019), co-taught with Martin Mareš

Other

Languages: Czech (native), English (C2 – CAE Grade A), German (B2), French (basics)

In my free time, I help to organise correspondence seminars, competitions and educational camps for talented high school students:

2018–Now	*Czech Olympiad in Informatics*
2018–Now	*Czech IOI Selection Camp* – a series of on-site competitions for Czech high school students that selects the Czech team for the International Olympiad in Informatics.
2017–2020	*KSP*
2018–2019	*Czech-Polish-Slovak Preparation Camp* – a series of on-site competitions for high school students advancing to the International Olympiad in Informatics.
2017–2019	*Kasiopea*

[†] with Václav Volhejn and Filip Bialas