



# Denisa Lampášová

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🌐 [dendaxd.github.io](https://dendaxd.github.io)

## Education

- 2017 – present **Faculty of Mathematics, Physics and Informatics, Comenius University**, Bratislava (Slovakia), Master degree studies  
FIELD OF STUDY: Theoretical Physics  
DIPLOMA THESIS: The Quantum Approximate Optimization Algorithm and other applications of alternating Hamiltonians (ADVISOR: *Mgr. Daniel Najaž, Ph.D.*)
- 2014 – 2017 **Faculty of Mathematics, Physics and Informatics, Comenius University**, Bratislava (Slovakia), Bachelor degree studies  
FIELD OF STUDY: Physics  
BACHELOR THESIS: Quantum teleportation and its applications  
(ADVISOR: *Mgr. Daniel Najaž, Ph.D.*)  
Passed with honours - Bachelor Thesis: A, Physics: B.
- 2006 – 2014 **Grammar school, Považská Bystrica (Slovakia)**,  
FINAL EXAMS (MATURITA): Mathematics, Physics, English (B2), Slovak Language & Literature

## Other activities

- 2014 – present **TROJSTEN**, ORGANIZER OF FKS (*Physics Correspondence Seminar*),  
a competition for high school students  
Giving lectures and seminars about high school physics and popular physics, writing sample solutions, marking students' solutions and in 2014-2015 technical redactor.  
Experience with teamwork.
- August 2018 **Toruń Astrophysics/Physics Summer Program (TAPS)**,  
PROJECT: Quantum teleportation through noisy channels  
(ADVISOR: *Dr. Gniewomir Sarbicki*)  
I attended a series of lectures on the basics of quantum computation and developed a simple quantum teleportation-based error-correcting protocol.
- July 2018 **Research Center for Quantum Information, Institute of Physics, Slovak Academy of Sciences**,  
research on the Quantum approximate optimization algorithm
- 2017 **PosAm, Full-Stack Academy, later Programmer**

## Computer skills

- Intermediate Python, L<sup>A</sup>T<sub>E</sub>X  
Basic Mathematica, C++, Linux shell scripting

## Interests

- Physics, theoretical computer science, puzzle hunts, problem solving in general.
- Membership in Toastmasters, hiking, yoga, cycling, ultimate frisbee, swimming, playing guitar, acquiring new skills, reading fantasy books (fan of Pratchett).