

Kristýna Harvanová

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🌐 Kristyna-Harvanova
in Kristýna Harvanová

Education

- 2024– **Master's Degree, Charles University, Faculty of Mathematics and Physics**
Study program: Artificial Intelligence, Language Technologies, and Computational Linguistics
- 2021– **Jaroslav Ježek's Conservatory and College of Music**, major: Music, specialization: piano, piano - jazz
- 2021–2024 **Bachelor's Degree, Charles University, Faculty of Mathematics and Physics**
Major: Computer Science, specialization: Artificial Intelligence
- 2013–2021 **Gymnasium, Olomouc – Hejčín, Tomkova 45, 779 00 Olomouc**, Type: Eight-year gymnasium

Projects

- Python Postprocessing of Synthetic Sheet Music in the Context of Optical Music Recognition (bachelor thesis) - computer vision, data analysis, deep learning, generating synthetic data, working with serialization data formats
- C# PacMan – implementation of search algorithms (e.g., A*) in C#, GUI
- Java Jazz Chord Generator – object-oriented programming, generic types, command line app, Unit Tests
- Prolog Rubik's Cube Solver – using non-procedural and logic programming

Work Experience

- 2023– **Team member of Prague Music Computing Group, Institute of Formal and Applied Linguistics**
Faculty of Mathematics and Physics, Charles University
- 2023– **Piano teacher, music theory, and harmony**, ZUŠ Folklorika Praha, private lessons
- 2023– **Member of the Kühn's Choir**, Cooperation with leading Czech and international music ensembles
- 2021– **Leader of the musical section, creator of media content**, Ballet Studio at the Moravian Theatre Olomouc
- 2019–2020 **Volunteering**, Organization: Charita Olomouc
- 2017–2020 Summer camp leader, musical accompaniment at weddings and other events

Language and Other Skills

- Czech Native speaker
- English Cambridge Assessment English FCE (level B2)
- German ÖSD Zertifikat B2 (level B2)
- Driving Category B licence

Skills and Abilities

Fast learner, leadership, communication skills, empathy, teamwork and adaptability, problem-solving skills, organisation, reliability and creativity

Achievements and Awards

- April 2024 **Active contribution at the Prague Music Computing Group workshop**
“Postprocessing of Synthetic Sheet Music in the Context of Optical Music Recognition”
- 2022, 2023 **Scholarship for outstanding academic achievements at the Faculty of Mathematics and Physics, Charles University**, Major: Computer Science
- 2020–2024 **1st places in the national competition Dance World Cup**, nominations for the world finals as a coach in the Song&Dance category
- 2020 **B. Challenge**, Successful solver of the national round

- 2017–2020 **Logic Olympiad**, Successful solver of the regional round
- 2020 **Czechitas Computer Science Project Competition**, 1st place
- 2019 **Matematický klokan**, 1st place in the regional round
- 2018 **Mathematical Olympiad**, Successful solver of the regional round
- 2017 Offer of membership in Mensa Czech Republic
- 2016 **Logic Olympiad**, 3rd place in the regional round, advancement to the national final
- 2011–2020 **School, district, regional rounds of the competition for pupils of the Czech Republic**, 1st places
- 2019 **International Competition of Large Wind Orchestras**, 1st place, special award
- 2019, 2016 **Regional competition of piano four hands and playing on 2 pianos**, 1. místo, speciální ocenění

Additional Education, Courses

- August 2020 **Summer School of Computer Science**, Czechitas (CTU)
- August 2020 **Prague Conservatory International Summer Piano Courses**, Piano
- 2020 **Olomouc Masterclasses in Performance**, Piano and harpsichord
- 2019–2020 **Touch Typing Course**
- 2007–2020 **ZUŠ Iši Krejčího Olomouc, Na Vozovce 32, 779 00 Olomouc**
Piano, Jazz piano, graduation (II. cycle)
- ZUŠ “Žerotín” Olomouc, Kavaleristů 6, 779 00 Olomouc**, Singing, Popular singing

Interests and Hobbies

Participation in music ensembles – ZUŠ, conservatories, independent student music groups, as a piano player, melodic percussion instruments player, cajon player, singer

Sports – badminton, swimming, jumping

Dance – tap dance, ballroom dancing, ballet, Latin dance, musical