

Carlos Martínez Quintero

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depressedcubic.github.io • [DepressedCubic](https://github.com/DepressedCubic)

Education

Charles University

October 2023 – June 2026 (expected)

Computer science undergraduate student in Prague, Czechia.

Relevant Courses: Automata and Grammars, Algorithms and Data Structures 1, Computer Systems, Programming 1 & 2, Linear Algebra 1 & 2, Mathematical Analysis 1

Camps attended.....

Winter Applied Rationality Program (WARP) 2022:

March 2022

Camp in Oxford, UK for analytically-minded students with sessions in topics related to information theory, cryptography, psychology and game theory.

Atlas Fellowship Summer Program:

June 2022

Summer program in Berkeley, CA, attended by Atlas Fellows on topics such as AI, epistemology, and personal growth.

European Summer Program on Rationality (ESPR) 2022:

August 2022

Camp in Oxford, UK for mathematically talented students with sessions in topics related to information theory, cryptography, communication skills, game theory and AI.

Maths Beyond Limits (MBL) 2022:

September 2022

Mathematical program in Rycerka Dolna, Poland for gifted high school students. Attended classes on topics such as: Category theory, discrete-time random processes, formal languages and automata, lambda calculus. Also gave a talk on the constructed language Toki Pona.

Maths Beyond Limits (MBL) Balkans 2023:

March 2023

Mathematical program in Konjic, Bosnia and Herzegovina for gifted high school students. Attended classes on topics such as: Haskell, expected values, the limits of computation, model theory, and machine learning. Also gave a camper talk on Conway's Game of Life.

Maths Beyond Limits (MBL) 2023:

September 2023

Mathematical program in Rycerka Dolna, Poland for gifted high school students. Attended classes on topics such as: Category theory, algebraic topology, ordinals and transfinite recursion, projective geometry. Also gave a talk on meditation.

Programming experience.....

C#, Python, C/C++, \LaTeX

Languages spoken.....

Spanish (native), English (fluent – studied at school for at least 9 years), Czech (novice)

Test scores.....

GRE: Verbal: 165; Quant: 166. Taken on April 30, 2022.

SAT: Total: 1570; Math: 800; EVBRW: 770. Taken on December 3, 2022.

Selected fellowships and awards

Atlas Fellowship: Was selected as Atlas fellow. Received scholarship and attended summer program. Awarded May 2022.

Mexican Mathematical Olympiad (OMM) 2021: Gold medal, awarded November 2021.

Mexican Mathematical Olympiad (OMM) 2022: Gold medal, awarded November 2022.

Work and selected internships

Qualia Research Institute: Worked as an *independent contractor* for QRI for 10 weeks, from June 2023 to August 2023.

Teaching

Instructor at Maths Beyond Limits 2024:

September 2024

Will give a three-day set of lectures on automata theory and formal grammars.

Projects (available at [GitHub](#))

Conway's Game of Life simulator using Tkinter:

January 2024

Written in Python as a semester project for the Programming 1 class at Charles University. Allows for simulation in 'infinite' grids.

Arbitrary-Precision Symbolic Calculator:

June 2024

Written in C# as a semester project for the Programming 2 class at Charles University. Allows for computations with rationals, certain elements of finite fields as well as matrices.