

# CHRISTOPHER GILBERT

*christopherfrommaine@gmail.com*

High school senior with curiosity and enthusiasm who enjoys physics, math, programming, and music.

Pursuing interests in Quantum Information Science and Computational Physics.

## EDUCATION

**Coursework:** College courses while in high school include Calculus B, Calculus C, Linear Algebra, Discrete Math, and Ethics. AP classes include AP Physics C Mechanics: 5, AP Calculus BC: 5, AP Biology: 5, AP Language and Composition: 5. AP Statistics, AP Physics C Electricity and Magnetism, IB Latin IV in progress

## EXPERIENCE

**Author** | [\*Quantum Mechanics for Kids: a Humorous, Easy-to-Read, Math-Free Book on a Very Perplexing Subject\*](#) | 2019  
**Wolfram Emerging Leaders Program, Programming Adventures** | Weekly collaborative think-tank sessions, assisting solving problems in topics such as neural networks and recursive functions. Also involved in year-long intense mathematical research on a student team studying functional roots. TA training for Wolfram Education | 2024  
**Wolfram Summer Research Program Paper** | [“Novel Minimal Universal Classical and Quantum Gates”](#) | 2024  
**World Science Scholar** | Completed two years of challenging coursework in topics such as general relativity, computational analysis, and evolutionary medicine. | 2021–2024  
**MIT Beaverworks Summer Institute** | Quantum Software | 2023  
**University of Waterloo Quantum School for Young Students** | 2021

## AWARDS and HONORS

- **Nonfiction Authors Association Book Award** | Silver Medal | 2019
- **Rise for the World, Global Finalist** | for Project Creating STEM Videos for Kids | 2023
- **XVII Golden Key Piano Composition Competition Award** | “For Lewiston” | 2023
- **Samsung Solve for Tomorrow Challenge 1st Place Maine** | Treating water for PFAS chemicals | 2023
- **Kotzschmar Memorial Trust Music Scholarship for Organ Performance** | 2023
- **National History Day in Maine** | Year-long research projects for the National History Day Competition
  - [Leo Szilard and the Atomic Bomb](#) | 1st place website | 2019
  - [George Lemaitre and the Big Bang Theory](#) | 1st place website | 2020
  - [Claude Shannon and Information Theory](#) | 2nd place website | 2021
  - [Bohr, Einstein, and the Debate of Modern Physics](#) | 1st place paper | 2022
- **Maine Celebration of Young Musicians for Organ Performance** | 2019
- **All Eastern Honor Choir and All State Choir** | 2022
- **National Merit Semi-Finalist** | 2024
- **Children's Choir PortOpera's production of Carmen** | 2018
- **National Latin Exam Gold Medal** | 2024
- **3M Discovery Education Young Scientists Lab Competition 1st in Maine** | 2018

## SERVICE and EXTRACURRICULARS

- **Mentor** | Junior World Science Scholars | 2023–2024
- **Junior World Science Scholars Workshop Presenter** | “Quantum Computing: Using Physics to Exponentially Increase Computing Power” | 2023
- **Author Talks and Educational Youtube Channel** | <https://www.youtube.com/@cpgtv123> | Topics like quantum mechanics, derivatives, antimatter, Bose-Einstein condensates, quantum cryptography, artificial intelligence, and more to spark curiosity for math and science in kids and in everyone. | 2019–2024
- **Guest Organist** | Basilica of Saints Peter and Paul, Lewiston, Maine | 2023 and 2024
- **Psalterium Institute of Maine Chamber Choir and Basilica of Sts. Peter and Paul Basilica Choir** | 2023–2024
- **Musical Volunteer** | Brentwood Rehab Center | 2023–2024