# Glen Cahilly

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LinkedIn | GitHub

## EDUCATION

**The University of Chicago**                                                                                                    Chicago, IL
*Bachelor of Science in Mathematics*                                                                        Expected, June 2026
GPA: 3.87/4.0
Activities: Varsity NCAA Wrestling, Financial Markets Program, Maroon Capital, Paragon Global Invest'ts, Math Club
Relevant Coursework: Accelerated Real Analysis, Linear Algebra, Honors Physics, Systems Programming

**Phillips Academy Andover**                                                                                             Andover, MA
*Diploma*                                                                                                                             June 2023
GPA: 5.92/6.00 (top 5% of class)
ACT: 35/36
Activities: Varsity Wrestling, XC, Track; Head Physics Tutor; Math Club; CS Club; Advanced Hiking Group

## ACTIVITIES & PROJECTS

**Competitive Math**                                                                                         September 2017 – Present
- Qualified for AIME 4 times | Scored 7 on 2021 AIME (top 1000 worldwide)
- Scored 12 on 2023 Putnam Exam (~top 30% worldwide)

**"ShortDeckNoLuck" Poker Solver**                                                                          July 2024 – Present
- Pioneered first open-source Game Theory Optimal (GTO) solver dedicated to Short Deck Hold'em poker
- Implemented advanced abstraction techniques using distribution clustering to reduce the size of the game tree
- Utilized Monte Carlo Counterfactual Regret Minimization (AS-MCCFR) for quick Nash Equilibrium approximation
- Optimized solver performance through parallel processing. GitHub (currently functional, though actively in progress)

**University of Chicago Math Research**                                                                June 2024 – August 2024
- Producing in-depth research paper on convex optimization (in progress)

**GANvas: AI-Animated Sketches**                                                                                     January 2023
- Solo-developed and trained a generative adversarial network (GAN) to generate novel animated sketches of everyday objects using Google QuickDraw dataset

## EXPERIENCE

**Dragon Group, LLC.**                                                                                                   Greenwich, CT
*Summer Analyst*                                                                                            July 2023 – September 2023
- Strategic & Financial Analysis: Led valuation analyses on live deals relating to Dragon's public and private holdings
- Blockchain: Led thesis-driven blockchain investment

**Math Olympiad Tutor**                                                                                             June 2023 – Present
- Created tutoring practice focused on math olympiad prep and coding
- Sourced multiple long-term clients in-person and online | 150+ hours of experience

## ATHLETICS

**University of Chicago NCAA D3 Varsity Wrestling**                                                September 2023 – Present
- Walk-on varsity letter winner

## OTHER

**Languages/Libraries:** Proficient in Python, Pandas, NumPy, Intermediate in C++, Beginner in C
**Research Interests:** Reinforcement Learning, Poker Solvers, Convex Optimization
**Other Interests:** Poker (2nd at UChicago SIG Poker Tournament), Books (favorites: *Dune, Surely You're Joking, Mr. Feynman!*)