

Aneesh Dasgupta

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I am interested in understanding the intricacies of existing software and architecting new software that is resilient to the errors of the past.

AREAS OF INTEREST

- Machine Learning
- Dev Tooling
- Mathematics

SKILLS: Python, C++, HTML, CSS, Javascript, Svelte, Git, Vim, Linux, LaTeX

Education

- 2022 - 2026 **HARVARD UNIVERSITY**
Cambridge, MA
AB in Mathematics and Computer Science
Activities: Systems Reading Group, Harvard Open Data Project, Quantum Computing Society, Harvard Tech Review; Relevant Courses: Math 55 (Analysis, Topology, and Algebra), Systems Programming, Theoretical CS, Game Theory
- 2018 - 2022 **CARMEL HIGH SCHOOL**
Carmel, IN
Distinguished Graduate
Activities: Science Bowl, Math Club, Tennis, Band

Experience

- 2023 **FREELANCE PROGRAMMING**
Completed software projects for clients through the Repl.it Bounty program
- 2024 **HARVARD OPEN DATA PROJECT WRITER**
Composing articles using data analysis to inform the Harvard community

Awards

- 2020 - 2022 **USA MATHEMATICAL OLYMPIAD QUALIFIER**
Received an index of 240.5/300; top 0.5% of AMC 12 participants
- 2020 **USA COMPUTING OLYMPIAD PLATINUM DIVISION QUALIFIER**
Highest division of algorithmic programming competition; top 400 / ~ 3000 competitors
- 2019 - 2020 **GOOGLE CODE JAM QUALIFIER**
Algorithmic competition mainly aimed at college students and professionals
- 2020 - 2021 **USA PHYSICS OLYMPIAD QUALIFIER**
Top 400 out of 3000 test takers on the F=MA Exam, a Newtonian Mechanics exam
- 2021 **NATIONAL SCIENCE BOWL 5TH PLACE**
Co-captained school team to 5th place at Nationals and 1st place at Regionals from 2020-2022

Publications

- 2023 **Symmetries of the Three-Gap Theorem**
Mathematics research paper; published in The American Mathematical Monthly
doi.org/10.1080/00029890.2022.2158021