

ADITHYA BHASKARA

Boulder, CO

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References available upon request.

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EDUCATION

- **University of Colorado Boulder** Boulder, Colorado
Bachelor of Science - Computer Science; Bachelor of Arts - Mathematics; GPA: 4.000 August, 2022 - May, 2026
Courses: Data Structures, Linear Algebra, Algorithms, Theory of Computation (In Progress), Computational Complexity (In Progress)
- **Front Range Community College** Longmont, Colorado
High School Concurrent Enrollment; GPA: 4.000 June, 2021 - August, 2022
Courses: Calculus III, Differential Equations With Linear Algebra, Discrete Mathematics, Physics I, Physics II, Introduction to C++

SKILLS

- **Computer Languages:** Python, C++, Java*, \LaTeX
 - **Computer Tools:** Docker*, HTML*, CSS*, JavaScript*
 - **Human Languages:** English, Kannada, Spanish*
 - **Soft Skills:** Teaching, Leadership, Communication
- * Elementary Proficiency

EXPERIENCE

- **University of Colorado Boulder** Boulder, CO
Theoretical Computer Science Undergraduate Researcher, Advised by Rafael Frongillo, Ph. D. May, 2023 - Present
 - Sought to understand optimal liquidity provisioning in decentralized exchanges.
 - Developed basic understanding of topics in algorithmic game theory and computational social choice.
- **University of Colorado Boulder** Boulder, CO
MATH 1300: Calculus I Learning Assistant January, 2023 - May, 2023
 - Co-led two weekly recitation sections of ≈ 35 students each for Calculus I with a graduate teaching assistant.
 - Met regularly with the Calculus I instructional team to prepare for the upcoming week of instruction and ensure student success.
 - Tutored students in the University of Colorado Boulder's Mathematics Academic Resource Center help room.
 - Served as a resource for students to voice questions and concerns about Calculus I content.
- **St. Vrain Valley Schools Innovation Center** Longmont, CO
Founding Member of the Cybersecurity Student Project Team August, 2019 - July, 2022
 - Spearheaded effort to create middle school computer programming competition.
 - * Served as competition administrator and lead problem author. Oversaw development of ≈ 80 problems.
 - * Fielded 13 teams of 2 to 4 students per team in inaugural year.
 - Organized St. Vrain Valley Schools' participation, and competed, in the National CyberPatriot Competition (≈ 30 competitors).
 - * Led practices and presented on topics in Linux system administration.
 - * Led own team to platinum tier of competition and semifinal rounds multiple times.
 - Taught introductory cybersecurity classes of ≈ 25 students and developed instructional materials; trained coworkers.
 - Regularly presented to district and community leaders, including Governor Jared Polis, during board meetings and Innovation Center tours.
- **Silver Creek High School** Longmont, CO
Instructional Student Assistant Program Director August, 2021 - May, 2022
 - Served as head teaching assistant.
 - Created lessons and miscellaneous instructional materials, assisted students, and gave lectures for Algebra I, Algebra II, and Introductory Physics.
 - Oversaw 7 teaching assistants in Prealgebra, Geometry, Integrated English and History, United States History, and Personal Finance. Led monthly professional development meetings.

HONORS AND AWARDS

- Boettcher Scholarship Awardee - April, 2022
- University of Colorado Boulder Engineering Honors Student - February, 2022
- National Merit Finalist - February, 2022
- Colorado School of Mines Medal of Achievement in Mathematics and Science Awardee - May, 2021

SCHOLASTIC EXTRACURRICULAR ACTIVITIES

- Competitive Programming Participant *Silver Creek High School, University of Colorado Boulder*
- CyberPatriot Platinum Tier Competitor *Silver Creek High School*