

Nathan Brown

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PROFILE

A motivated and detail-oriented freshman at the University of Texas at Austin, pursuing a B.S. in Mathematics with a passion for coding, game design, and problem-solving. Strong foundation in software development, including experience in Go, SQL, and backend automation. Eager to apply analytical and programming skills in real-world applications and contribute to innovative projects.

WORK EXPERIENCE

Arena Hall May 2024 – Present
Fellow Austin, TX

- Optimized backend databases with 10,000+ entries by using Airtable functions to remove unused fields.
- Streamlined operations for events with 100+ attendees by developing automations between Luma and Airtable.
- Provided hospitality and event support for the weekly operations of Arena Hall.

Alpha School Mar. 2024 – Aug. 2024
Private Chess Tutor Austin, TX

- Taught fundamental chess concepts to a group of 10-15 elementary-school students and individual students.
- Developed 10+ comprehensive & engaging lesson plans to help kids learn without becoming bored.

Cetec-ERP Jun. 2023 – Aug. 2023
Software Engineering Intern Austin, TX

- Improved performance of complex functions used for object history databases by rewriting them in Go.
- Wrote unit tests to test reliability of functions and learned SQL.

Private Tutoring Jan. 2021 – Apr. 2021
Private Math Tutor Austin, TX

- Worked with students in math classes ranging from 4th grade math to Algebra I.
- Helped students understand underlying concepts and reinforced rough areas that students struggled with.
- Provided a positive, patient presence with students of a variety of aptitudes.

EXTRACURRICULAR ACTIVITIES

Chess Club @ Alpha High Sep. 2022 – Dec. 2023
Founder Austin, TX

- Created the first Alpha High School chess club and taught members critical chess concepts.
- Coached three regular members to 1st place in their section in their first-ever tournament.

Falcon's Nest Literary Magazine @ Alpha High Dec. 2021 – Mar. 2022
Associate Editor Austin, TX

- Worked closely with editing / design team to create a cohesive literary magazine.
- Evaluated 20 submissions to determine whether they would be accepted and edited final pieces for style and length.

EDUCATION

University of Texas at Austin Aug. 2024 – Present
B.S. in Mathematics Austin, TX

Alpha High School Aug. 2020 – May 2024
4.46 GPA, 1550 SAT Austin, TX

SKILLS & INTERESTS

Programming Languages: C++, Go, SQL

Software: Unix, Microsoft Office, Zapier, Airtable

Soft Skills: Writing, Teamwork, Problem-Solving, Time Management

Interests: Writing, Chess, Pickleball, Tetris