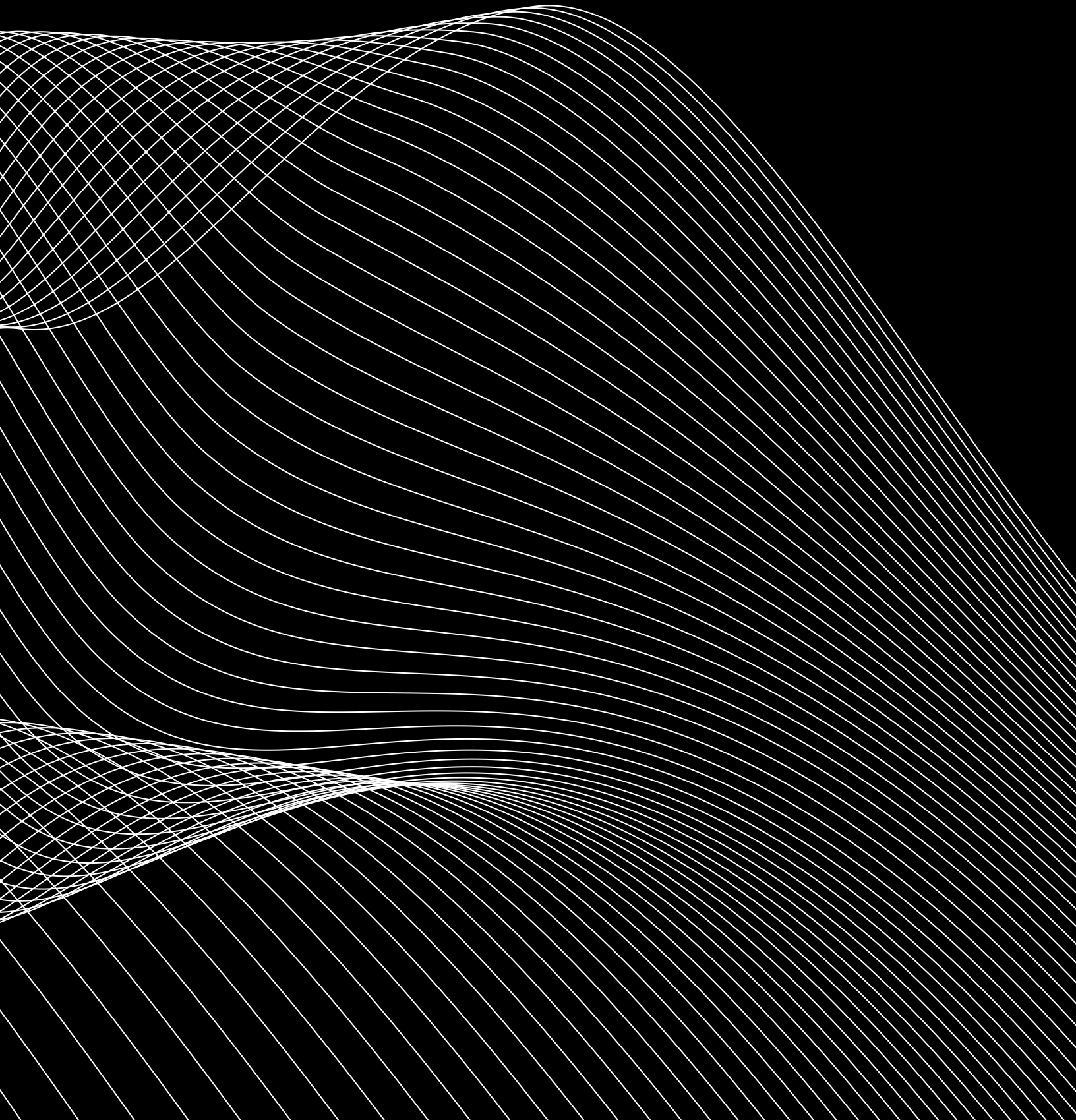


# Eigen & Trilogy





# Transforming K-12 Writing Outcomes with Eigen's Alphawrite Platform

## Summary

Trilogy Software, a titan in the realm of enterprise software, looked to improve the writing proficiency of K-12 students at Alpha School. Leveraging AI to drive personalized content creation, Eigen built a personal writing tutor based on the Common Core curriculum for Alpha School's students. Though still early in assessing the full impact, Alphawrite is being used daily, achieving a 99.2+% feedback accuracy and helping 83% of students master writing concepts within 3 days of practice.

## The Challenge

Trilogy Software needed to improve the writing proficiency of its diverse student body of K-12 students at Alpha School. Leaning into their ethos of self-motivated and personalized learning, Trilogy's goal was to implement a completely autonomous writing tutor that could provide instant & personalized high-quality feedback, automate grading, and track student progression in line with the Common Core curriculum, all while ensuring a seamless, engaging, and safe student experience.

## The Solution

Eigen stepped up to the challenge with Alphawrite, an end-to-end AI writing tutor designed to deliver engaging & adaptive writing guidance to K-12 students based on the Common Core. In Alphawrite, each student is given a personalized curriculum of increasingly difficult activities designed to improve their writing, all based on the Common Core. Activities range from unscrambling sentences to expanding fragments into complete sentences to testing out new vocabulary in sentence writing.

Given that writing cannot be taught by pre-populated fill-in-the-blanks or multiple choice, each activity takes in free-form student writing samples and is generated based on the students' unique interests. Every response is given real-time, tailored feedback on what the student did right and what the student did wrong - just like a 1:1 tutor would provide. Included are robust safety measures put into place to account for potentially mischievous inputs.



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Alphawrite features a scoring system to keep the students motivated and to calibrate the difficulty of activities for each student continually. The system is paired with per-student progress tracking and writing assessments to provide guides with a comprehensive view of student learning patterns and outcomes.

## The Impact

Alphawrite is the first step towards a truly personal writing tutor for every student at Alpha School and subsequently solving Bloom's two-sigma problem.

The scalability of instant feedback and grading has resulted in a complete replacement of teachers in the writing instructional process. It has increased the feedback rate for students by an estimated 1,500% a day. Moreover, the platform's data analytics capabilities have provided invaluable insights into student learning patterns, enabling more informed pedagogical strategies.

Though still early in assessing the full impact, qualitatively, students' excitement about writing has soared as learners receive immediate, relevant feedback, fostering a more interactive and responsive learning environment. Quantitatively, the system is proving more accurate than teachers at giving feedback, achieving a 99.2%+ feedback accuracy score, enabling 83% of students to master concepts within 3 days of practice.

## Testimonial

Our goal coming into the school year was to dramatically improve our students' writing proficiency. Partnering with Eigen to create the Alphawrite platform was a crucial decision for us; Eigen's expertise and speed have allowed us to deliver world-class writing instruction to our students in record time. With Alphawrite, our students are learning and improving their writing skills rapidly, and we're seeing a level of engagement that we hadn't thought possible. Along the way, Eigen has transformed our thinking on how we can apply AI at Alpha School and across Trilogy at large. Their expertise is unlike anyone we've ever worked with.

**Andy Montgomery, COO of Trilogy**