



Contact

Phone

319-850-0069

Email

esheagren1995@gmail.com

Education

2020

Cognitive Science, Masters

Teachers College, Columbia University

Masters Thesis: Unstoppable: A Case Study of the Rita Levi-Montalcini

Department Senator of Student Senate

Member of Effective Altruism Club
Forecasting Team, winning 2nd place in EA
University Forecasting Tournament

2018

Neuroscience & Philosophy (Double)

Creighton University, Honors College

Philosophy Senior Presentation: The
Necessity of Science in a Liberal Arts
Education.

Recipient of Distinguished Neuroscience
Undergraduate Award (one of three in
graduating class).

Skills

- Teaching & Explanation
- Project Management
- Mathematical Cognition
- GPT4
- Writing & Communication
- Market & Scientific Research

Interests

Cooking - Ottolenghi inspired

Endurance - two marathons and two 500
mile bike races

Reading - social sciences, history

Erik Sheagren

Educator | Cognitive Science

An accomplished and entrepreneurial K-12 independent math educator with a unique background in cognitive science and neuroscience, my goal is to use my history of personal tutoring to develop scalable and highly-intuitive adaptive online tools that radically improve key bottlenecks in the primary and secondary education.

Experience

2020 - 2023 Independently Contracted Tutor, Fargo & NYC Tutor

- Provide custom, in-house private K-12 instruction for homeschooling families. Other subjects include science fair, history, and geography.
- Select Achievements: Increasing 7th grade ACT math score from 15 to 29 after four-month immersive math study, 2) coached International Science and Engineering Fair projects, leading to international award (ISEF, 2022), and 3) students scoring 5's on AP calculus and statistics.

Part-Time Market Analyst for Early-Stage Biotech Companies

- Conducted independent market research on startups focusing on Alzheimer's remediation therapy, cardiac catheters, and gene-editing to offer investment recommendations to a Fargo-area angel investor.

2015-2021 On to College & Academic Approach, Omaha & NYC ACT & SAT Instructor

- Taught SAT prep to many dozens of students in-person and online in NYC-based classrooms at Stuyvesant High School, Philips Exeter Academy, Nightingale, and Seizing Every Opportunity, which provides educational resources to underprivileged youth.
- Proposed and created a dynamic organizational tool to auto-grade and track student engagement during online lessons during initial Covid outbreak.
- Selected to work with clients including child of a US Senator, underfunded North-Omaha after-school program, and students in Shanghai, China.

2018 - 2020

Teacher Coordinator Community Impact at Columbia University

- Co-led a team in managing logistics and curriculum development for sixteen high school equivalency test (TASC) classes, catering to over two hundred students across multiple semesters.
- Pioneered an initiative to enhance student attendance using the behavioral economics principle of "nudge." Analyzed results in graduate economics course and provided consultation to a non-profit organization to improve their attendance policies.

Projects

Magpie, '23

Creator

Custom-made curriculum
design

4-σ, '22

Co-Creator

Daily Quant Game | 3
Questions | Answers are
95% Confidence Intervals

Creativity..., '21

Co-Author

Academic book of case studies,
including of Rita Levi-
Montalcini, a Nobel-winning
neuroscientist