

# AnneMarieTorresen

MATH EDUCATOR & ARTIST IN PROVIDENCE, RI

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## Work

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### **Wolfram|Alpha Math Developer 2020–2024**

- **Write and improve code for math content** on the [WolframAlpha](#) website, WolframAlpha Notebook Edition, and Wolfram function and data repositories
- Build digital **educational math tools**, focusing on K–12 and early college
- Promoted from Math Education Specialist > Math Content Developer > Senior Developer

### **CollegeBoard AP Calculus exam grader 2020–2021**

- Graded official AP Calculus AB exam free response questions based on CollegeBoard scoring guidelines

### **High School Math Teacher** KIPP Houston Public Schools, **2017–2020**

- Planned and taught Algebra, PreCalculus, and AP Calculus AB to students in grades 9–12
- 92% of surveyed students agreed with **“My teacher challenges me to think.”**
- Increased AP exam pass rate by 11% in my first year teaching AP Calculus

### **Explorations in Mathematical Research Teaching Assistant**

University of Michigan Department of Mathematics, **2017**

- Mentored undergraduate students working on mathematical research papers

### **Advanced math tutor** University of Michigan Department of Athletics, **2015–2016**

- Individually tutored collegiate athletes in courses from PreCalculus to Linear Algebra

## Education

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### **M.F.A. – Computational Art** Rhode Island School of Design – Providence, RI **2023–2026**

- **Digital + Media** department, operating at “the nexus of art, science, and technology”

### **M.A. Teaching – Secondary Mathematics**

Relay Graduate School of Education – Houston, TX **2017–2019**

- **Mathematics Scholar Award** for demonstrating outstanding achievement and enthusiasm for mathematics education, 2019
- Certified mathematics teacher in the state of Texas for grades 5–12

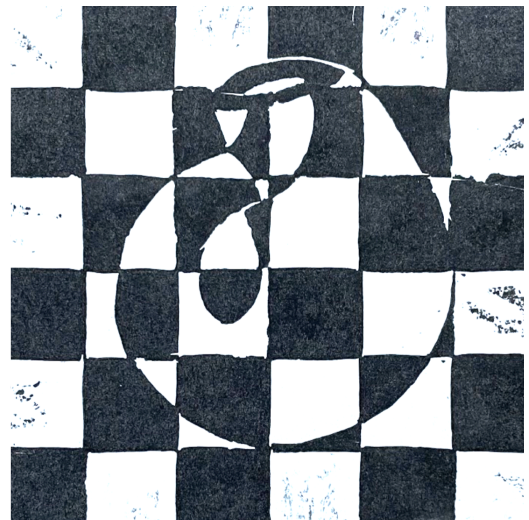
### **B.S. – Honors Mathematics** University of Michigan – Ann Arbor, MI **2013–2017**

- **Department of Mathematics Merit Scholarship** recipient
- **Thesis in Department of Afro-American and African Studies – *Multicultural Education: Combatting the Master Narrative of American History in Public Education***, highest honors, 2017

## Experience & Achievements

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- **Bridges Exhibition of Mathematical Art, Craft, and Design**, featured artist, 2024
- **RISD Digital+Media visiting artist lecture series** coordinator, 2023-2024
- **Wolfram Summer School** mentor and guest speaker, 2022–2023
- **Wolfram Technology Conference** talks:
  - 2022: Wolfram|Alpha math [resource functions](#) and [Step-By-Step programs](#)
  - 2021: [Interactive Plot Quizzes](#)
  - 2020: [Integrating Common Core Math Standards into Wolfram|Alpha](#)
- **Wolfram Function Repository** entries include: [NumeralRepresentation](#), [SignChart](#), [DerivativeSignCharts](#), [TapeDiagram](#), [SecantLine](#), [SinusoidPlotQuiz](#), [MeanValueTheoremQuiz](#)
- **Alumni Mentor for Women in Math Club**, University of Michigan, 2020–2023
- **[ZeroWaste.Org](#) web content coordinator**, 2021-2023
- **Computational machine learning**, Continuum course, University of Michigan, 2021
- **Printmaking studio assistant**, University of Michigan Residential College, 2017
- **Achievement Award in Visual Arts** for work in drawing, printmaking, photography, and graphic design, University of Michigan Residential College, 2017
- **Model theory summer program**, University of Notre Dame, 2016
- **American Federation of Teachers** Legislation Intern, 2015 & 2016
- **RC Review literary magazine layout editor**, University of Michigan, 2013–2017
- **Commissioned artist** for Law Students in Court annual event posters, 2015 & 2016
- **Campus tour guide**, University of Michigan Office of Undergraduate Admissions, 2014–2017
- **Proficient in French**, University of Michigan Residential College Intensive French Language program, 2013–2014; Diplôme d'études en langue française, Collège du Léman, Versoix, Switzerland, 2011
- **Computer proficiencies**: Wolfram Language (Mathematica); Adobe Design Suite (Illustrator, InDesign, Photoshop) and Inkscape; git, LATEX, iMovie, Eclipse, Atom, VSCode; HTML/CSS, Javascript; Basic C++, Julia
- **Classical piano and music theory**, 2001–present



Checkerboard Klein bottle  
linocut, 2019