

# Natalya M. St. Clair

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## SUMMARY

Technical Data Program Manager with 10+ years of experience leading NSF-funded data initiatives in education technology. Seeking to apply UX research skills to build human-centered AI tools that support responsible data governance and amplify the human experience.

## PUBLICATIONS & HONORS

- Best Long Paper Award, International Society of the Learning Sciences (ISLS), 2024
- TED-Ed Producer (9.5M+ views); Best TED-Ed Lesson of All Time
- Co-author, *The Art of Mental Calculation*; Illustrator of NYT bestsellers *Secrets of Mental Math*, *The Magic of Math* with Dr. Arthur Benjamin

## EDUCATION

**Harvard Graduate School of Education**, Ed.M., Technology, Innovation, and Education      **2015**  
**Scripps College**, B.A., Mathematics and Studio Art      **2006**

## EXPERIENCE

**Concord Consortium** — El Cerrito, CA (Hybrid)      2016–2025

UX Researcher, QA Engineer, Research Associate

- Co-led cross-team data infrastructure across 20+ GitHub repos; built automated QA pipelines in Cypress that identified and prevented 1,000+ regressions.
- Designed workflows for managing classroom research datasets (collection, transformation, access controls, metadata), ensuring compliance with IRB and student privacy.
- Coordinated multi-million-dollar NSF research programs, scaling pilots to 48+ schools and 6,000+ students; partnered with product, research, and engineering teams to ensure responsible data use.
- Built internal documentation hub (policies, onboarding guides, screencasts, training sessions) adopted company-wide, improving knowledge management and scaling best practices.

**TED-Ed** — Remote      2014–2016

Writer, Illustrator, Video Producer

- Created award-winning math + art video lessons with 9.5M+ views; translated abstract concepts into engaging visual stories.

**Countryside School** — Champaign, IL  
*Math Educator & Middle School Coordinator*

2007–2013

- Managed a 13-person team; designed and launched inquiry-based math curriculum for 60 middle school students.

## PROJECTS

**Internal Enablement & Knowledge Management — Concord Consortium**

2022–2025

- Built centralized documentation hub, created screencasts, launched Slack support, and led trainings for 45+ staff.
- Initiative scaled company-wide, influenced Product/Comms/HR, and cut onboarding time for new hires.

**DAVAI: AI-Enhanced Learning Research — NSF-Funded Project**

2021–2023

- Implemented revised testing protocols that improved functionality of AI teaching assistants; reduced critical errors identified during QA testing by 15% supporting effective inquiry-based learning.
- Produced insights for AI-supported inquiry; findings informed new product features and cross-team training.

**TED-Ed Animated Lessons — Freelance**

2014–2016

- Authored illustrations and graphics for two New York Times best-selling mathematics books, reaching over 1M readers and leading to invitations to speak at 10+ national math conferences.
- Reached 9.5M+ views, extending global access to creative and scientific learning.

## SKILLS

- Data Management: dataset ingestion, metadata management, IRB/PII compliance
- QA Automation: Cypress, GitHub Actions, regression testing
- Programming & Tools: Python, R, GitHub, Figma, CODAP, Google Cloud Suite
- Program Leadership: multi-stakeholder coordination, documentation, partner agreements