



Executive Summary

After graduating with a BS in Applied Mathematics, I earned an MA in Mathematics Education and spent 9.5 years teaching mathematics in NYC public high schools. I am currently a Web Design student at the Startup Institute New York flexing my HTML, CSS, JavaScript, and jQuery muscles. I am looking to transition into a design role at a startup with heart.

Professional Experience

Leadership & Communication

- Drove adoption of Common Core standards and industry best practices as a Department Chair, Professional Learning Team Facilitator, and Model Teacher
- Direct manager for 15 pre-service teachers, provided training in best practices for future leadership within public schools
- Developed and nurtured relationships with both external partners and internal stakeholders
- Represented Math for America as a speaker at national conferences

Analysis

- Aggregated student achievement data to identify trends and adjust curriculum plans and pedagogical approach accordingly
- Assessed the needs of individual and groups of students through collection of qualitative and quantitative data
- Ran experiments to test the efficacy of pedagogical methodologies

Design & Innovation

- Served as a curriculum designer for EngageNY, McGraw Hill, and the School of One
- Created and executed activities which engaged users across diverse ranges of mathematical ability, motivation, and learning style
- Worked as part of a team to conceptualize and implement a residency model for pre-service teachers

Technical Fluency

- Google Drive Fluency
- Advanced MS Word, Excel, and PowerPoint
- HTML
- CSS
- JavaScript
- jQuery
- Python
- C++
- SQL
- Scrappiness

Employment History

Jun 2009 –
Sept 2015

High School Mathematics Educator Mathematics & Science Department Chair STEM Instructional Coach

The Urban Assembly School for Law and Justice
Brooklyn, NY

Feb 2007 –
Jun 2009

High School Mathematics Educator

Manhattan Village Academy
New York, NY

Selected Fellowships & Awards

Math for America Newton Fellow, New York, NY

Math for America Master Teacher, New York, NY

Verizon Design Lab Fellow, New York Hall of Science

NSF Grantee to attend ICME-12, Seoul, South Korea

Education

Startup Institute, New York, NY

Web Design

Fall 2015

Columbia University, Teachers College, New York, NY

Master of Arts, Mathematics Education

February 2007

Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY

Bachelor of Science, Applied Mathematics minor in English

May 2005

City University of New York, Hunter College, New York, NY

Continuing Education student in Computer Science

June 2014 – December 2015

Relevant Coursework: CSCI127: Introduction to Computer Science, CSCI135: Software Design & Analysis, CSCI136: Supervised Programming Lab

Interests

The great outdoors, SoulCycle, trendy diets, Chinese medicine, decaf coffee, educational equity, supporting women in STEM, Young Adult fiction, foreign travel, theater, Ken-Ken puzzles, and pretty much any show on Bravo.

Links



<https://www.linkedin.com/in/melanierosesmith>



<https://github.com/mrs2004>