



## 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>