

**Executive Summary**

After graduating with a BS in Applied Mathematics and an MA in Mathematics Education, I spent 9 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 UX Design role at a startup with heart.

**Professional Experience**

Leadership & Communication	<ul style="list-style-type: none"> <li>• Drove adoption of Common Core standards and industry best practices as a Department Chair, Professional Learning Team Facilitator, and Model Teacher</li> <li>• Direct manager for 15 pre-service teachers, provided training in best practices for future leadership within public schools</li> <li>• Developed and nurtured relationships with both external partners and internal stakeholders</li> <li>• Represented Math for America as a speaker at national conferences</li> </ul>
Analysis	<ul style="list-style-type: none"> <li>• Aggregated student achievement data to identify trends and adjust curriculum plans and pedagogical approach accordingly</li> <li>• Assessed the needs of individual and groups of students through collection of qualitative and quantitative data</li> <li>• Ran experiments to test the efficacy of pedagogical methodologies</li> </ul>
Design & Innovation	<ul style="list-style-type: none"> <li>• Served as a curriculum designer for EngageNY, McGraw Hill, and the School of One</li> <li>• Created and executed activities which engaged users across diverse ranges of mathematical ability, motivation, and learning style</li> <li>• Worked as part of a team to conceptualize and implement a residency model for pre-service teachers</li> </ul>

**Technical Fluency**

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

**Employment History**

Jun 2009 – Sept 2015	<b>High School Mathematics Educator</b> <b>Mathematics &amp; Science Department Chair</b> The Urban Assembly School for Law and Justice, Brooklyn, NY
Feb 2007 – Jun 2009	<b>High School Mathematics Educator</b> 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**

<b>Startup Institute</b> , New York, NY	Fall 2015
Web Design	
<b>Columbia University, Teachers College</b> , New York, NY	February 2007
Master of Arts, Mathematics Education	
<b>Columbia University, Fu Foundation School of Engineering and Applied Science</b> , New York, NY	May 2005
Bachelor of Science, Applied Mathematics minor in English	
<b>City University of New York, Hunter College</b> , New York, NY	June 2014 – December 2015
Continuing Education student in Computer Science	
<i>Relevant Coursework: CSCI127: Introduction to Computer Science, CSCI135: Software Design &amp; Analysis, CSCI136: Supervised Programming Lab</i>	

**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>