

## TEACHING EXPERIENCE

### The Urban Assembly School for Law and Justice, Brooklyn, NY

*June 2009 - Present*

- New York City Department of Education Model Teacher
  - Work closely with teachers from Learning Partners Program triad schools to help them improve systems on the department level which will lead to improved academic outcomes for students
  - Plan and implement professional development sessions
- Mathematics/Science Department Chair
  - Manage budget of \$15k for department expenditures, and professional development
  - Plan and facilitate weekly meetings for department members
  - Prepare and analyze Regents/College Readiness data to inform instructional decisions
  - Interface with administration regarding teacher/department needs and interests
- Mathematics/Science Instructional Coach & New Teacher Mentor
  - Lead weekly visitations/debriefs with new teachers
  - Offer feedback on daily lesson plans
  - Organize inter-visitations for new teachers (both in house and with other schools)
- Math for America/CCNY Cooperating Teacher for Apprentice/Student Teaching Program
  - Host 4 student teachers per year, co-plan units and give feedback on developing teaching practice
  - Manage \$1.5k classroom budget for use in improving math instruction
- Math Teacher
  - Write curriculum aligned to Common Core Standards that is accessible to diverse learning community
  - Co-plan with colleagues to ensure horizontal and vertical alignment of standards
  - Courses taught include: Pre-algebra, Algebra, Geometry, College Math, and Calculus
- Computer Science Teacher
  - NYC Cohort 1 Code.org/iZone Exploring Computer Science teacher
  - Participated in Blended Learning Institute's Summer Core Workshops and ongoing PD
- After School Learning Academy Facilitator, Computer Science Club
  - Founded Computer Science Club for 9th and 10th grade students interested in learning programming
  - Plan and facilitate weekly hour long sessions including app/video game development, field trips to tech industry offices, and mentorship sessions with industry members
- Supervising Teacher for Bard College/NYU student teachers
  - Hosted student teachers in my classroom
  - Co-planned units and gave daily feedback on teaching practice
  - Interfaced with NYU/Bard Instructors regarding student teachers' progress
- CPAS Coordinator
  - Participated in professional community with other teacher leaders from the Urban Assembly
  - Organized/facilitated rubric norming sessions for department members
  - Prepared data for trend analysis within departments

### Manhattan Village Academy, New York, NY

*February 2006 - June 2009*

- Math Teacher
  - Wrote and revised curriculum to give access to variety of learners in heterogeneous classroom
  - Co-planned with colleagues both across grade level and within department to ensure horizontal and vertical alignment of standards
  - Courses taught include: Algebra and Precalculus
- New Teacher Mentor
  - Led weekly visitations/debriefs with new teachers
  - Offered feedback on daily lesson plans
- Math Squad Coordinator
  - Led weekly after school math enrichment sessions for math team members
  - Organized math competitions amongst four public high schools serving traditionally under-represented populations in STEM enrichment activities
  - Interfaced with Math for America staff to organize judging, budget, and prizes

## **FELLOWSHIPS & AWARDS**

### **Math for America, New York, NY**

***June 2005 - Present***

- Selected to be part of 2<sup>nd</sup> cohort of Newton Fellows and twice designated a Math for America Master Teacher
- Active participant in mathematical community
  - Worked as a Common Core Curriculum Professional Developer for middle school educators, administrators, and coaches
  - Served as a Master Teacher Representative to Senior Advisors to President Obama and to former Presidential Candidate Mitt Romney
  - Served as a Professional Learning Team Facilitator for Master Teachers and Early Career Fellows
  - Served on the Professional Development Committee to improve professional development offerings for the MfA community
  - Organized and led a Mathematics Study Tour through the Maya Exploration Center for MfA teachers
  - Served on the Master Teacher Interview Committee

### **Fund for Teachers**

***Summer 2013***

- Recipient of a \$10k grant for travel to South Africa
- Visited and taught in high schools in Cape Town townships

### **NSF Grantee to attend ICME-12**

***July 2012***

- Recipient of \$2.5k travel grant to attend the International Congress on Mathematics Education in Seoul, South Korea as part of the US Coalition
- Participated in conference as well as special programs organized for US Coalition

### **Verizon Design Lab Fellow**

***January 2011 - September 2011***

- Attended monthly professional development/workshops at The New York Hall of Science during the school year
- Participated in summer residency at The New York Hall of Science where we designed curriculum to identify and solve problems within our communities using STEM tools

### **Earthwatch Educator Fellowship Recipient**

***August 2009***

- Worked alongside scientists in Tarrazú, Costa Rica conducting research on sustainable agriculture in the coffee industry

### **NCTM Illuminations Summer Institute Participant**

***July 2009***

- Participated in a 2 week residency program at NCTM headquarters in Reston, VA
- Wrote new and gave feedback on old curriculum materials for the NCTM Illuminations lesson plan database

### **Park City Math Institute Participant**

***July 2008***

- Participated in a 3-week residency program for mathematics teachers, PhD candidates in mathematics, and mathematics professors in Park City, UT
- Engaged in Socratic seminars where we developed a model for finding primitive Pythagorean triples
- Participated in a Lesson Study professional learning team

## **CERTIFICATION**

### **New York State Professional Certificate, Mathematics, Grades 7 - 12**

## **EDUCATION**

### **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 – Present

*Relevant Coursework: CSCI 127: Introduction to Computer Science, CSCI 135: Software Design and Analysis, CSCI 136: Supervised Programming Lab*

## **SPEAKING ENGAGEMENTS**

**NCTM National Conference**, Lead Speaker, New Orleans, LA, April 2014

**NCTM National Conference**, Co-Speaker, New Orleans, LA, April 2014

**WGBH Boston/PBS**, Featured Teacher, Online Content, Fall 2013

**Time 2000 Conference**, Speaker, Queens, NY, November 2013

**MSRI CIME Conference**, Speaker, Berkeley, CA, April 2013

**The Celebration of Teaching and Learning**, Speaker, New York, NY, March 2012

**The Celebration of Teaching and Learning**, Speaker, New York, NY, March 2011

**Robert Noyce Teacher Scholarship Program Conference**, Speaker, Washington D.C., July 2010

**NCTM National Conference**, Speaker, San Diego, CA, April 2010

## **RELATED EXPERIENCE**

**EngageNY Common Core Curriculum Consultant**, February 2014 – Present

**College Board Item Writing Consultant**, February 2014 – Present

**School of One Content Writer**, June 2011 – October 2011

**Grow Network Consultant, McGraw Hill**, June 2008 – September 2008

## **PROFESSIONAL AFFILIATIONS**

Math for America

Columbia University Alumni Recruitment Committee

Society of Women Engineers

United Federation of Teachers

Columbia Engineering Young Alumni Board Member

Association of Women in Mathematics

## **TECHNOLOGY SKILLS**

- **Productivity software:** Microsoft Office, Google Docs
- **Educational software:** Schoology, EdPuzzle, online gradebooks (skedula.com and teacherease.com), TI-83/84/86 calculators, Geometer's Sketchpad, Smart Notebook
- **Video production/presentation software:** iMovie, use of AV equipment including document cameras, projectors, and speakers
- **Hidden talents:** copy machine un-jamming, software/technology problem solving on a budget

## **INTERESTS**

The great outdoors, Soul Cycle, 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.