

Rob Moray

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Summary

Motivated, hard-working, energetic educator who brings his passions for teaching and helping others to work each day. Effective collaborator who works with colleagues to overcome common obstacles. Dedicated to the belief that all students are unique individuals who can achieve at a high level when given access to a teacher who believes in them, peers who support them, a curriculum that engages them, and a mindset that they can accomplish anything if they have the grit to persevere through difficult challenges.

Teaching Experience

09/2022 –
Present

Shrewsbury Public Schools – *Shrewsbury High School*

Special Education Teacher

- Serve as special education co-teacher for mathematics and chemistry courses.
- Teach academic skills strategies to exceptional learners outside of the general education classroom.
- Conduct achievement testing and use findings to develop reports on educational achievement (e.g. EER).
- Draft and ensure thorough implementation of individualized education programs (IEPs), using input from all stakeholders throughout the process and delivering progress reports at least quarterly.
- Design web application to facilitate collection of progress data, communication with key stakeholders, and streamlining/standardization of important processes (e.g., parent meeting workflows).

09/2018 -
Present

The University of Massachusetts at Boston – *Mathematics Department*

Lecturer, Mathematics Department

- Instruct once-weekly, three-hour precalculus and business calculus courses.
- Organize dissemination of class resources through Blackboard and department website.
- Create videos to provide step-by-step breakdowns of assessments and challenging topics.
- Weave assessment into lessons while providing valuable practice in crucial conceptual concepts.

08/2016 –
06/2022

Milton Public Schools – *Milton High School*

Mathematics Teacher

- Engage students through collaborative, inquiry-based tasks that explore important concepts in mathematics, computer science, and robotics.
- Wrote more than 45,000 lines of code to engineer online system that delivers personalized experience to students with built-in incentive systems for participation, leading to significantly increased student engagement with online resources inside and outside of school.
- Create videos to provide detailed explanations of important mathematics concepts and preview for/review of course assessments, leading to more avenues to class engagement.
- Serve on local National Honor Society application screening committee, and developed system to streamline application review process through Google Sheets.
- Use data-driven approach to enhance opportunities for engagement with innovative learning and assessment platforms as member of school Digital Learning Team.
- Supported implementation of 1-to-1 device program as a participant on a 1-to-1 committee, which aided in developing resources for an eventual bring your own device (BYOD) rollout.
- Helped prepare students for the AP Computer Science Principles exam, 90%+ of whom eventually received scores of 3 or higher.
- Trained colleagues in use of online textbook resources, leading to increased use of personalized, differentiated mathematics practice experience outside of class.

Summer 2018 –
Summer 2019

The University of Massachusetts at Boston – *Academic Support Programs*

Mathematics Instructor, Directions for Student Potential (DSP) Program

- Instructed conditionally accepted undergraduates in college mathematics topics.
- Collaborated with colleagues to plan inquiry-based lessons and common assessments.
- Supervised an undergraduate student who mentored and tutored participants

- 08/2015 – **Everett Public Schools – *Everett Senior High School***
 08/2016 Mathematics Teacher
- Helped lead successful trial implementation of 1:1 Chromebook program.
 - Collaborated with colleagues to collectively navigate individual needs of high-needs students.
 - Made use of numerous avenues, including translation services for non-English proficient parents, to promote family engagement.
- 09/2014 – **Malden Public Schools – *Malden High School***
 05/2015 Pre-practicum/Practicum Student Teacher
- Took advantage of yearlong experience by developing positive relationships with students.
 - Increased engagement on assessments through the use of technology, including game-based assessments (e.g. Kahoot) and paper/electronic hybrid platforms (e.g. Plickers).

Education

Graduate Certificate in Moderate Disabilities (5-12), May 2022

The University of Massachusetts at Boston, College of Education and Human Development

Master of Arts in Teaching, May 2015

Boston University, School of Education

Major: Secondary Mathematics Education

GPA: 4.0

Bachelor of Science, May 2014

The University of Massachusetts at Boston, College of Science and Mathematics & Honors College

Major: Mathematics

Thesis: *Modeling the Post-Transcriptional Regulation of the Tumor Suppressor Gene PTEN and Its Role in Cancer.*

GPA: 3.900

Additional Coursework

Program in Mathematics for Young Scientists (PROMYS), Summer 2015, Boston University (8 cr.)

Computational Thinking Through ECS, Fall 2017, Framingham State University (3 cr.)

Maintaining Your Balance: Becoming an Effective Teacher, 2018 – 2019, Gordon College (3 cr.)

Building Relationships with English Language Learners, Spring 2021, Gordon College (1 r.)

Licensure

Massachusetts Certification (MEPID#: 54140309)

Supervisor/Director of Mathematics, Emergency Licensure

Teacher of Students with Moderates Disabilities (5-12), Initial Licensure

Mathematics (8-12), Professional Licensure | | Mathematics (5-8), Initial Licensure

Sheltered English Immersion (SEI) Endorsement

Additional Experience

12/2017 – **Summit Educational Group**

03/2020 Tutor

- Provide on-the-go, one-on-one SAT/ACT tutorial services for high school students.
- Create personalized lesson activities and homework assignments based on company curricula to help boost proficiency during and in-between sessions.
- Develop new questions as part of push for new, enhanced curricular materials.
- Maintain regular communication with families to ensure transparency and satisfaction.

04/2011 – **Boston Children’s Hospital**

08/2014 Volunteer

- Gave more than 500 hours of volunteer service to the hospital, its patients and their families.
- Among first volunteers to be assigned to the “Discharge Buddies” program, which helped patients in inpatient settings transition out of the hospital and kept more nurses on the floors.
- Developed and implemented procedures for maintenance, recordkeeping, and deployment of HIPAA-compliant patient-use hospital equipment in inpatient and outpatient settings, enabling more patients to stay connected with life outside of the hospital.

Summer 2013	<p>The University of Massachusetts at Boston Tutor/Mentor, Directions for Student Potential (DSP) Program</p> <ul style="list-style-type: none"> Assisted in providing remediated mathematics instruction for three groups of conditionally accepted undergraduates, leading to a 90%+ placement into non-remedial college mathematics courses. Provided mentorship to students by answering questions related to scheduling, orientation, and other important issues pertinent to an incoming college freshman.
09/2012 - 05/2014	<p>Tutor, Subject Tutoring/SUCCESS Program</p> <ul style="list-style-type: none"> Provided group tutoring for introductory calculus and biology courses. Provided individual tutoring for introductory math, biology, and chemistry courses. Maintained active leadership role as part of peer-advisory council.
09/2012 - 05/2014	<p>Teaching Assistant, Mathematics Department</p> <ul style="list-style-type: none"> Facilitated delivery of lessons through in-class and after-school tutoring. Moderated online classroom discussion board.
12/2013-08/2014	<p>UMass Boston & Dana-Farber/Harvard Cancer Center U54 Comprehensive Partnership Research Assistant, Training Core Program</p> <ul style="list-style-type: none"> Conducted research pertinent to an important problem in cancer. Attended weekly meetings to discuss progress. Designed and implemented algorithms using Java, Python, and R.

Honors/Awards

- Bringing Engineers into STEM Teaching (BEST) Robert F. Noyce Scholarship** – Full tuition scholarship awarded for commitment to teaching mathematics in a high-needs school district.
- Summa Cum Laude (GPA: 3.9)** – Awarded in 2014 for overall GPA of at least 3.75.
- Honors College Graduate** – Awarded in 2014 for completion of UMass Boston’s Honors College.
- Senior Honors in Mathematics** – Awarded in 2014, the first time in the University’s history, for excellence in mathematics and satisfactory completion and defense of honors thesis project.
- Juan Carlos Merlo Memorial Prize in Mathematics** – Awarded in 2014 for excellence in academics in undergraduate mathematics.
- John F. Kennedy Award** – Nominated in 2014 for excellence in academics and service to the community.
- John J. Smith Presidential Scholarship** – Awarded during 2011-2014 for excellence in academics.
- Honors College Classroom Leadership Award** – Awarded in 2013 for excellence in academics and demonstration of leadership in an Honors College course.
- Honors College Director’s List** – Awarded every semester eligible from 2011-2014 for having an overall GPA of at least 3.75 for the semester.
- College of Science and Mathematics Dean’s List** - Awarded every semester eligible from 2011-2014 for being enrolled in at least 12 credits and maintaining a GPA higher than 3.5.
- John and Abigail Adams Scholarship** – Awarded in 2006 for scoring within the top 25% of the district on the 10th grade Massachusetts Comprehensive Assessment System examination.

Presentations

- Moray, R.** (2021, August) “Spicing Up Your Assessments: Escaping from Pencil-and-Paper Assessment Using Google Apps for Education” *Milton Public Schools Summer Technology Conference Summer 2021* Milton, MA
- Moray, R.** (2019, August) “Willnot.fail and the Moraybot Kiosk: Using Technology to Fuel Student Engagement and Self-Advocacy” *Milton Public Schools Summer Technology Conference Summer 2019* Milton, MA
- Moray, R., Masciarelli, K., and Ritten, C.** (2018, August) “Saved by the Google Classroom: Using Google Classroom Effectively” *Milton Public Schools Summer Technology Conference Summer 2018* Milton, MA
- Jarboe, J. and **Moray, R.** (2017, December) “Online Assessments: Making Assessments Accessible and Fun!” *Milton High School Professional Development* Milton, MA

5. **Moray, R.** (2014, May) “Modeling the Post Transcriptional Regulation of PTEN and Its Implications in Cancer” *University of Massachusetts Boston Senior Honors Thesis Presentation* Boston, MA.
6. **Moray, R., Iyer, S., Kulkarni, P., Kulkarni, R., Zarringhalam, K.** (2014, April) “Modeling a Stochastic System: The Case of PTEN and Cancer.” *Joint Meeting of the Hudson River Undergraduate Mathematics Conference and the Spuyten Duyvil Undergraduate Mathematics Conference* Poughkeepsie, NY.
7. **Moray, R., Iyer, S., Kulkarni, P., Kulkarni, R., Zarringhalam, K.** (2014, April) “Mathematically Modeling the Post-Transcriptional Regulation of PTEN in Cancer.” *Massachusetts Statewide Undergraduate Research Conference* Amherst, MA.
8. **Moray, R.** (2014, April) “Student Trainee Presentation: Integrated Modeling of Post-Transcriptional Regulatory Networks of the Tumor Suppressor Gene PTEN.” *University of Massachusetts Boston and Dana-Farber/Harvard Cancer Center U54 Program to Reduce Health Disparities Annual Steering Committee Meeting* Boston, MA
9. **Moray R., Sutherland, T., Zanker, S., Kasa, A.** (2014, April) “Peer Leadership Councils in Tutoring: Setup, Setbacks, and Successes” *New England Peer Tutor Association 20th Annual Conference* Dartmouth, MA.
10. Debay, D., **Moray R., Dekel, T.** (2012, May) “Blackboard: Game-Based Technology and Cyber Math Talk” *CIT Educational Technology Conference* Boston, MA.

Abstracts

1. Zarringhalam, K., Iyer, S., **Moray R., Kulkarni, R.** (2014) Large-scale Identification of ceRNA Network of Tumor Suppressor Genes by Co-Expression Analysis. *Hawaii 2014 Winter q-Bio* Waikoloa, HI.
2. Iyer, S., **Moray, R., Kulkarni, P., Kulkarni, R., Zarringhalam, K.** (2014) A Machine Learning Approach for Identifying the PTEN Non-Coding ceRNA Network *Hawaii 2014 Winter q-Bio* Waikoloa, HI.

Invited Lectures

1. **Moray, R.** (2020, February) “Becoming a Teacher: My Experiences” *UMass Boston Science Gateway Seminar* Boston, MA
2. **Moray, R.** (2019, March) “Narrowing the Gap: Supporting Access to Upper-Level Mathematics for All Students” *BEST Noyce Scholarship Seminar Series, March 2019* Boston, MA.
3. **Moray, R.** (2018, May) “Educator Evaluation in Massachusetts Public Schools” *Boston University BEST Noyce Scholarship Seminar Series, May 2018* Boston, MA
4. Debay, D., **Moray, R.** (2012, October) “Online ‘Math-Talk’: Discourse for Quantitative Reasoning” *UMass Boston CIT Educational Technology Forum* Boston, MA.

Professional Affiliations

1. University of Massachusetts Boston Faculty Staff Union (FSU) – Member since 2019
2. Computer Science Teachers Association (CSTA) – Member since 2017
3. Shrewsbury Educators Association (SEA) – Member since 2022
4. Milton Educators Association (MEA) – Member 2016 - 2022
High School Building Representative 2021 – 2022
Elected Treasurer 2022
5. Pine Lake Condominiums Homeowners Association – Member since 2019
Member of the Board of Trustees since 2021
6. National Educators Association (NEA) – Member since 2015
7. Massachusetts Teachers Association (MTA) – Member since 2015
8. Robert F. Noyce Scholarship Program – Member since 2014
9. Golden Key International Honour Society – Member since 2012
10. Alpha Lambda Delta International Honor Society – Member since 2011