

# DANIEL J. MOSCOE

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## EXPERIENCE

### **Rochester Institute of Technology**

Rochester, NY

*Director, Academic and Faculty Affairs, RIT Certified*

7/2024-present

- Continuing oversight of curriculum development, instructional design, faculty affairs, and program delivery
- Collaborate with administrators and faculty on select master's degrees
  - Piloting [credit-bearing courses](#) for nonmatriculated students in Fall 2024
- Direct strategic planning for the RIT Certified academic catalog

*Academic Director, RIT Certified*

1/2023-6/2024

- Lead a team of six responsible for curriculum development, instructional design, faculty affairs, and program delivery for RIT Certified's noncredit portfolio
- Developed and automated an analysis of all RIT master's degree programs using diverse internal data sources; directed data analysis of each program's market position using diverse external data sources
- Oversaw the research and development of skills standards and industry-validated assessments for work
- Directed competitive intelligence and labor market analysis in support of noncredit and degree-based program selection and development, business development, and proposals for external funding

*Demand Planner, RIT Certified*

4/2022-12/2022

- Delivered market analysis for a diverse portfolio of noncredit and graduate degree programs based on diverse external and internal data sources
- Informed noncredit program selection, development, and marketing

### **Diagnostic Assessment and Achievement of College Skills (DAACS)**

New York, NY

*Data Analyst*

2021

- Developed predictive models of undergraduate academic outcomes using R on Amazon Elastic Compute Cloud as part of MS Data Science [capstone](#)
- Presented [findings](#) directly to stakeholders at undergraduate institutions

### **[Columbia Secondary School](#)**

New York, NY

*Math Department Chair, Math Teacher, grade 6*

2015-2020

- Designed project-based Common Core curricular materials with a dual focus on mathematical rigor and making thinking visible
- Led professional development on evidence-based practices for effective feedback
- Strategized with administrators to coordinate instructional themes across grade levels and content areas for middle school and high school
- Led teacher-guided feedback sessions in a study on the effectiveness of learning from errors compared to explicit instruction
- Earned highest performance rating 2015-2020

### William W. Niles School

Math Teacher, grades 7, 8

Bronx, NY

2011-2015

- Implemented standards-based grading with custom progress reports and individualized feedback using Microsoft Access

### New Roots Charter School

Math Teacher, grade 10

Ithaca, NY

2010-2011

- Founding geometry teacher
- Mentored students in advisory

## **EDUCATION**

**City University of New York**, School of Professional Studies

New York, NY

*Master of Science, Data Science*

2022

- Coursework includes Statistics, Python Programming, Simulation and Modeling Techniques, Predictive Analytics, Data Visualization
- Capstone: “Predicting Academic Outcomes with DAACS: Diagnostic Assessment and Achievement of College Skills” ([paper](#), [summary slides](#), [code](#))
- GPA: 4.0

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

New York, NY

*Advanced Certificate, Computer Science Education*

2021

- Developed pedagogical strategies for intro CS concepts using Java and Python
- GPA: 4.0

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

New York, NY

*Master of Arts, Adolescent Mathematics Education*

2010

- GPA: 3.9

**Cornell University**, College of Agriculture and Life Sciences

Ithaca, NY

*Bachelor of Science, Applied Economics and Management*

2005

- Magna cum laude
- GPA: 3.75

## **CERTIFICATIONS**

- New York State Teacher Professional Certification, Mathematics (grades 7-12)
- New York State Teacher Professional Certification, Computer Science (grades K-12)

## **CONFERENCE PRESENTATIONS**

- Moscoe, D. (2023, November). *Employer-aligned skills-based education*. Panel presentation at the University Professional and Continuing Education Association (UPCEA) Annual Convergence, Washington, DC.
- Hironika, S., Moscoe, D., and Nieves, H. (2018, July). *Yes We Can!(notate): Problem Solving Journals and the Standards for Mathematical Practice*. [Presentation](#) at Park City Math Institute Teacher Leadership Program, Park City, UT.

## **HONORS**

- Math for America Early Career Fellow, 2012-2016