DANIEL J. MOSCOE

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OBJECTIVE

To enhance undergraduate academic outcomes and student well-being by leveraging my expertise as an educator, data analyst, and collaborative leader.

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](#)   Bronx, NY
Math Teacher, grades 7, 8   2011-2015
- Implemented standards-based grading with custom progress reports and individualized feedback using Microsoft Access

[New Roots Charter School](#)   Ithaca, NY
Math Teacher, grade 10   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