

# MAURICIO GONZALEZ

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**OBJECTIVE:** Effectively produce and utilize innovative and culturally sensitive administrative techniques and values to lead our diverse PreK-12 NYC community into successful college, career, and civic engagement.

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## PROFILE

- \* Winner 2018 - 2019 NYC teacher of the year – Big Apple Award
- \* Founder and Director of the Marine Biology Research Program through NYSED
- \* Founder and Director of the New York Harbor SEALS Civic Science Monitoring Program
- \* Curriculum creation in marine biology leading to GIS certification and 21 college credits (highest in country by one teacher) in science research, oceanography, GIS, and natural resources systems
- \* World Trade Center 9/11 volunteer with the American Red Cross
- \* Bilingual: Fluent in English & Spanish, and knowledge of French
- \* Black Belt in Martial Arts (Kendo, 3<sup>rd</sup> Dan, & Aikido, 2<sup>nd</sup> Dan)
- \* Myers-Briggs: INTJ; Holland Code: ICR; critically minded, problem solver, creative, over-achiever, reliable, honest, hard-working, justice oriented, striving to improve my small talk skills.

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## EDUCATION & PROFESSIONAL CREDENTIALS

- \* **Post-Master's Advanced Graduate Certificate** in Educational Leadership (Combined SDL and SBL); SUNY Stony Brook \* 3.97 G.P.A.
- \* **Master of Science** degree in Education; Touro College \* 3.84 G.P.A. \* Magna Cum Laude
- \* **Bachelor of Science** degree in Marine Biology; Jorge Tadeo Lozano University; Colombia, South America \* Full scholarship \* Dissertation defense on coral reef ecology \* 3.7 G.P.A.
- \* Initial NYSED License in School Building Leadership
- \* Professional NYSED License in School District Leadership
- \* Permanent NYSED License in Biology for grades 7-12
- \* Permanent NYSED License in General Science Extension for grades 7-12
- \* Professional NYSED License in Biology for grades 5-9
- \* Professional NYSED Career and Technical Education License in Natural Resources and Ecology
- \* Professional NYSED License in Work-Based Learning Coordinator and Career Development
- \* 90+ college credits beyond bachelor's degree

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## PUBLICATIONS & CONFERENCES

- \* Gonzalez, M. (2021) *Pride and Prejudice: How Workplace Bullying Has No Place in Schools*. The New York Academy of Public Education Research Journal. Vol 10, No 1. pp. 1-10. [\[Article\]](#)
- \* Gonzalez, M. (2021) *Focus Session: Hot Topics in Marine Science – Voices from the Classroom*. Tall Ships of America – [\[Link\]](#)
- \* Gonzalez, M. (2017) *Harbor SEALS Civic Science: Water Quality Monitoring in the Hudson-Raritan Estuary*. EPA Citizen Science Conference. NYC.
- \* Gonzalez, M. (2015) *When Will I Ever Use This? And Why Am I Even Here?* Huffington Post. [\[Article\]](#)
- \* Gonzalez, M. & R.B. Melton (2010) *Teaching Project Management*. EPICS. Purdue University. [\[Slides\]](#)
- \* Gonzalez, M. (2009) *Harlem: Environmental Status and Solutions*. Partners in Science Conference Presentation. San Diego. [\[Poster\]](#)
- \* Gonzalez, M., P. Orton, & D. Rouillard (2008) *Microhydrometeorological Studies of the Hudson River*. Partners in Science Conference Presentation. San Diego. [\[Poster\]](#)
- \* Gonzalez, M. (2008) *Urban Agriculture in Schools*. School, Food, and Community. Baum Forum and Teacher's College, Columbia University.
- \* Gonzalez, M. (2001) *Ecology and Natural History of a Disturbed Coral Community* (Nenguange Bay, Colombia). Jorge Tadeo Lozano University. Bogota, Colombia. Marine Biology Thesis. [\[Document\]](#)

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## ADMINISTRATIVE & SUPERVISORY EXPERIENCES

06/2021 – present **Grading for Equity (GFE)**

\* Working with an Urban Assembly and CUNY District team to revamp grading at the district level using the Grading for Equity theory developed by Joe Feldman. Specifically, responsible for developing the Student District Advisory component to get testimonials from a team of over 20 students from various schools across the district on current grading practices and future practices after implementing GFE strategies.

03/2021 – present **Career and Technical Education 2.0 (CTE2.0)**

\* Working with Borough of Manhattan Presidents office, PTA, and teacher team to expand our school's program from a 9-12 to a 9-14 CTE program in preparation for the doubling in size of our student population. Developing new CTE majors related to our unique marine and maritime programs and mapping out clear career paths in partnership with Borough of Manhattan Community College and various other 4-year colleges & industry partners.

2014 – present **Work-Based Learning Coordinator**

\* Led over 500 paid internships, 75 service-learning opportunities, 40 professional visits, 60 scholar presentations in conferences, 120 ePortfolios, 80 Work-Skills Employability Profiles, and 200+ students visiting worksites. Established partnerships with Environmental Protection Agency, Con Edison, CIVITAS Citizens, The Nature Conservancy, Columbia University, NYU, and dozens of others to offer unique experiences in the environmental science fields. Students have been exposed to other career development opportunities such as job site visits and classroom visits by professionals. Had scholars present to City-wide audiences at the NYC Science and Engineering fair, Region-wide audiences at the Omega Institute, and Nation-wide audience at the AFT/AFL-CIO CTE Summit where Vice President Joe Biden gave a keynote address. In 2015 – 2016 led school's "SEAWORKS" Program to a blockbuster year of over 60 scholar paid internships earning students over \$54,000. Over 6,000 hours were logged in industry work. Successfully rolled out DOE's new Internship Management System. Implemented new teacher support which was non-existent in previous years. Created clear requirements for interns to qualify for paid internships. Submitted time-sensitive proposals and reports to the DOE on-time for the first time. Payroll assembly and workshops were implemented for interns. Communication was centralized with the DOE's WBL Resource Center. Developed more internship hosts and positions than ever before.

2011 – present **Director, Harbor SEALS Civic Scientist Environmental Monitoring Team**

\* Led over 200 students to-date in Civic Science service-learning projects to monitor the health of the Hudson-Raritan Estuary, educate the public, and create the conditions to help bring the harbor seal back to NYC. The Harbor SEALS initiated work around the Upper New York Bay in recognition of its badly deteriorated condition, the need for high-quality marine resource data, its vulnerability to storm surges, its potential as a site for ecological restoration, and, most importantly, the need for its inner city youth to become a part of its conservation by empowering them to take the lead in high quality STEM projects around these issues. Our team has consulted for Econcrete Tech, EPA, Civitas Citizens, and other organizations in environmental monitoring.

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## TECHNICAL SKILLS

- \* Education leadership, project management, curriculum writing, public speaking, technical reading/writing, secondary education STEM instructor, water quality analysis, genetic barcoding, 3D printing, Microsoft suite, ArcGIS, ArcPAD, IT experience, hydroponics, aquaponics, aeroponics, recirculating aquaculture systems, Advanced & Rescue PADI SCUBA Diver

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## APPOINTMENTS

- 12/2001 – present **City of New York, Department of Education**  
\* STEM research educator at the secondary school level; Grades 6-12; science research, oceanography, CTE, living environment, mathematics, botany; leadership: work-based learning coordinator
- 09/2016 – present **State University of New York at Stony Brook**  
\* Adjunct professor of oceanography for ACE Program
- 01/2011 – present **State University of New York at Albany**  
\* Adjunct professor of research for University in the High School Program
- 09/2008 – 05/2011 **Columbia University – Lamont-Doherty Earth Observatory**  
\* Urban ecology and environmental engineering educator for science enrichment program
- 01/2005 – 06/2007 **American Museum of Natural History**  
\* Developing and teaching hydroponics and aquaponics as topics of interest for space exploration
- 06/2007 – 07/2007 **Fordham University**  
\* STEP Summer Program instructor for aquatic ecology studies
- 06/2002 – 07/2005 **Manhattan College**  
\* Urban ecology studies for teachers
- 01/2002 – 04/2004 **Moody's Corporation**  
\* Information technologist

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## ACADEMIC PARTNERSHIPS & AWARDS

- \* **Big Apple Award.** NYC teacher of the year (2018 - 2019)
- \* **Civic Science Projects** restoring eel grass and oysters & monitoring water quality in the HRE in partnership with the Rozalia Project, TNC, OpenBox, CIVITAS, NYDEC, EPA, USACE, Fordham U., LDEO, Manhattan College, CUNY Grad Center, St. Francis College, NYU, City College, CB 10, Harlem River Park Task Force, and Harlem CDC, Earth Matter, ConEdison, SEA SAVERS Inc., among others (2005-present)
- \* **ConEdison Grants.** Awarded USD 10,000+ yearly to run the Harbor SEALs civic science monitoring program (2015-present)
- \* **CIVITAS Partnership.** Awarded USD 18,000 as principal investigator for managing baseline and environmental monitoring of Harlem/East River to propose rebuilding of esplanade (2015-2018)
- \* **UFT Outstanding Career and Technical Teacher Award (2015)**
- \* **AFL-CIO CTE Workforce Development Summit.** Invited to present College and Career Readiness in CTE with Vice President Joe Biden in attendance (2014)
- \* **Environmental Protection Agency.** Awarded USD 25,000 as principal investigator for Citizen Science Grant – Harbor SEALs No. X5 96298212-0 (2012-2015)
- \* **Hudson River Foundation Grant.** Awarded USD 12,000 to test effects of Econcrete tiles on Hudson River Estuary biodiversity (2011-2012)
- \* **Columbia University Fellowship.** Visiting scholar to Columbia College of Physicians and Surgeons for environmental research in the Hudson River Estuary (2008-2012)
- \* **Purdue EPICS Grant.** Awarded USD 69,000 to run engineering community service-learning projects in Harlem, NYC (2007-2010)
- \* **Schwartz Science Scholars Grant.** Awarded USD 17,000 yearly to run an after school middle school science program which incorporates a local public science fair (2004-2010)
- \* **Howard Hughes Medical Grant.** Awarded USD 15,000 total stipend to work on ecology research with Manhattan College (2002, 2004, and 2005)
- \* **Research Thesis for Jorge Tadeo University (Bogota, Colombia).** "Ecology and Natural History of a Disturbed Coral Community (Nenguange Bay, Colombian Caribbean)" (2001)

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## CAREER HIGHLIGHTS

- \* Winner of the top NYC teacher Big Apple Award (2018 - 2019)

- \* Led over seventeen local symposia, two of which were virtual due to COVID-19 (since 2003)
- \* 100% passing rate in Living Environment Regents exams (2009 – 2010)
- \* 98.4% passing rate for NOCTI Natural Resources Systems assessments (since 2012)
- \* Over 29 student competitors in NYC Science and Engineering Fair since 2009 with 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place awards in the Environmental Science category
- \* Ran a successful Urban Vertical Agriculture Program and greenhouse in Harlem, the first Aquaponics and Hydroponics systems built by students in NYC Dept. Of Ed. (2004 – 2010)
- \* Managed a Harlem River field monitoring station and student sampling program that culminated in the building of the Harlem River Park (2008 – 2010)
- \* Class of 2015 scholar wins Gates Millennium Scholarship based on her research

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## PRESS & SOCIAL MEDIA

- \* **Harbor SEALs** (on-going) *Instructor's Program* [Website](#)
- \* **YouTube Channel** (on-going) *Instructor's* [Media Channel](#)
- \* **LinkedIn** (on-going) [Profile](#)
- \* **Stony Brook University** (2021) *Educational Leadership Students Publish in Research Journal* - [Press](#)
- \* **NYC DOE** (2018) *Past Big Apple Award Recipients* - [Link](#)
- \* **CIVITAS Citizens** (2016) *Working Towards an Ecological Edge in East Harlem* – [Press](#)
- \* **Highlights of Community School District 5 Harlem Schools** (2011) *FDA Students Competed in NYC Science and Engineering Fair* – [Press](#)
- \* **Columbia Center for New Media Teaching and Learning CCNMTL** (2011) *Toyota Foundation Grant Enhances Science at Harlem HS* – [Press](#)
- \* **Waterfront Alliance** (2010) *Harlem Students Present River Research to Scientists and Local Leaders* – [Press](#)
- \* **YSI Environmental** (2009) *Students Monitor Harlem River Water Quality and Air Quality, Seek Solutions* – [Press](#)
- \* **NY1 Connect a Million Minds with Shazia Khan** (2009) - [Video](#)

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## EXTRACURRICULAR ACTIVITIES & AWARDS

- \* **Kendo** (2002 - 2013) **Third Dan**; Studied under Sensei Noboru Kataoka (7 Dan) at NYC Kendo Club, NYC. <https://www.nyckendoclub.com/>
- \* **Aikido** (2001 - 2013) **Second Dan**; Studied Tomiki Aikido under Sensei Nobuyoshi Higashi (7 Dan) at Kokushi Budo Institute of NY. <http://www.kokushibudo.com/>
  - \* 2<sup>nd</sup> Place, Jiyu Enbu @ 25<sup>th</sup> US Open Tomiki Aikido Championship, 6/1/2013
  - \* 2<sup>nd</sup> Place, Jiyu Enbu @ 24<sup>th</sup> US Open Tomiki Aikido Championship, 5/29/2012
  - \* 2<sup>nd</sup> Place, Enbu @ 24<sup>th</sup> US Open Tomiki Aikido Championship, 5/29/2012
  - \* 2<sup>nd</sup> Place, Jiyu Enbu @ 23<sup>rd</sup> US Open Tomiki Aikido Championship, 6/7/2011
  - \* 2<sup>nd</sup> Place, Enbu @ 23<sup>rd</sup> US Open Tomiki Aikido Championship, 6/7/2011
  - \* 1<sup>st</sup> Place, Tanto-taisabaki @ 23<sup>rd</sup> US Open Tomiki Aikido Championship, 6/7/2011
  - \* 2<sup>nd</sup> Place, Jiyu Enbu @ 22<sup>nd</sup> US Open Tomiki Aikido Championship, 12/7/2010
  - \* 1<sup>st</sup> Place, Enbu @ 22<sup>nd</sup> US Open Tomiki Aikido Championship, 12/7/2010
  - \* 2<sup>nd</sup> Place, Tanto-taisabaki @ 22<sup>nd</sup> US Open Tomiki Aikido Championship, 12/7/2010
  - \* 1<sup>st</sup> Place, Enbu @ 21<sup>st</sup> US Open Tomiki Aikido Championship, 5/29/2009
  - \* 3<sup>rd</sup> Place, Tanto @ 21<sup>st</sup> US Open Tomiki Aikido Championship, 5/29/2009
  - \* 2<sup>nd</sup> Place, Jiyu Enbu @ 19<sup>th</sup> US Open Tomiki Aikido Championship, 11/17/2006
  - \* 1<sup>st</sup> Place, Enbu @ 19<sup>th</sup> US Open Tomiki Aikido Championship, 11/17/2006
  - \* 1<sup>st</sup> Place, Jiyu Enbu @ 17<sup>th</sup> US Open Tomiki Aikido Championship, 12/9/2005
  - \* 1<sup>st</sup> Place, Enbu @ 17<sup>th</sup> US Open Tomiki Aikido Championship, 12/9/2005
- \* **Iaido** (2002 - 2013) Studied Muso Jikiden Eishin-Ryu under Sensei Noboru Kataoka (20th generation Menkyo-Kaiden) at NYC Kendo Club. <https://www.nyckendoclub.com/>
- \* **Jujutsu** (2012 - 2013) **Third Kyu**; Studied Kokushi-Ryu Jujutsu under Soke Nobuyoshi Higashi (10 Dan) at Kokushi Budo Institute of NY. <http://www.kokushibudo.com/>
  - \* 1<sup>st</sup> Place, Kata @ 40<sup>th</sup> Annual International Kokushi-Ryu Jujutsu Championship, 4/27/2013
  - \* 1<sup>st</sup> Place, Techniques @ 40<sup>th</sup> Annual International Kokushi-Ryu Jujutsu Championship, 4/27/2013

- \* 1<sup>st</sup> Place, Kata @ 39<sup>th</sup> Annual International Kokushi-Ryu Jujutsu Championship, 4/28/2012
  - \* 1<sup>st</sup> Place, Techniques @ 39<sup>th</sup> Annual International Kokushi-Ryu Jujutsu Championship, 4/28/2012
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#### ENTREPRENEURSHIP

**IMAGO LIBROS** In partnership owned a progressive bookstore in Bogota, Colombia, specializing in philosophy, gender equality, and LGBT **(01/2000 – 04/2002)**

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#### HOBBIES

- \* **Audiophile** Collect vintage Sansui audio equipment, Loss Less digital media, and shellac. Audio genres include Independent, Latin (Son, Salsa, Cumbia, Guaracha, Porro, *etc.*), Punk, Classical, among others **(1993 – present)**
- \* **Cinephile** Film genres include mostly Independent and International. Favorite directors include Stanley Kubrick, Krzysztof Kieslowski, Jim Jarmusch, Lars Von Trier, Martin Scorsese, Woody Allen, Andrei Tarkovsky, among others. Over 3000+ movie & documentary-hours watched **(1993 – present)**
- \* **Drumming** Self-taught by listening to JSBX, Jesus Lizard, and Led Zeppelin **(1993 – present)**
- \* **Archery** Bare bow **(2017 – present)**

*References Available Upon Request*