

TOKIWA T. SMITH

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Summary of Qualifications

A leader in Education and Philanthropy; having over 19 years' experience in academia, government, and philanthropy with a focus in STEM Education and Outreach, Racial Equity and Workforce Development.

- More than 17 years' experience in educational program development and management (pre-college and undergraduate)
- More than 15 years' experience in developing and implementing STEM curriculum for K-12 students.
- More than 16 years' experience in nonprofit development and management.
- More than 15 years' experience in providing professional development for pre-college, community college and undergraduate students.
- More than 10 years' experience in providing professional development for STEM Educators (formal and informal).
- More than 9 years' experience in providing parental support and training.
- Proficient in budget development and management (\$3K-\$500K)

Education:

Bachelor of Science Chemical Engineering (*Biochemical Emphasis*) August 2001
Florida Agricultural and Mechanical University Tallahassee, FL

Honors and Recognition

- **2022 Atlanta's Top 100 Women of Influence**, Atlanta Business League, September 28, 2022
- **2022 Finalist, Women of the Year in Science**, Women in Technology of Atlanta, August 12, 2022
- **[2021 Philanthropy 100 List](#)**, Unboxed Philanthropy, December 28, 2021
- **2020 Trailblazer Award, Community Trailblazer**, STEM Connector Million Women Mentors, October 27, 2020
- **[2019 Women Making A Mark Honoree](#)**, Atlanta Magazine, June 14, 2019
- **2019 Torch Bearers' Award for Excellence in Science Education**, DeKalb County School District Division of Curriculum and Instruction, April 19, 2019
- **Educational Leadership for Promotion of K-12 Education**, Black Engineer of the Year Award (BEYA) STEM Conference, February 10, 2018

Professional Experience:

- 2021- present **Principal**
[Tokiwa T. Smith Consulting](#), Atlanta, GA
- 2005-present **Founder and Executive Director**
[Science, Engineering and Mathematics Link Inc.](#), Atlanta, GA
- 2010-2022 **CEO and Principal Consultant**
[Kemet Educational Services LLC](#), Atlanta, GA
- 2019-2020 **DREAM to STEAM Project Coordinator**
Atlanta Science Festival, Atlanta, GA
- 2016-2017 **Manager of K-16 Educational Programs**
Lawrence Berkeley National Lab, Berkeley, CA

- 2014- 2015 **Community and Business Engagement Coordinator,**
Institute for STEM Education
California State University East Bay, Hayward, CA
- 2010-2012 **Math and Science After-School Program Instructor,**
Maxwell Park Elementary School
Learning for Life, Oakland, CA
- 2006-2010 **Howard Hughes Program Coordinator,** Biology Department
Spelman College, Atlanta, GA
- 2004-2006 **Model Institutions for Excellence Program Graduate Assistant**
Spelman College, Atlanta, GA
- 2003 **Lead Recreational Specialist,** Bel-Air Elementary School
Ambrose Park and Recreation District, Bay Point, CA
- 2002-2003 **Team Leader,** Sylvan Hills Middle School
Hands on Atlanta AmeriCorps Atlanta, GA
- 2002 **Math and Science Tutor,** Bridges to the Future Program
Department of Chemistry, Georgia State University, Atlanta, GA
- 2000 **Research Scientist (Summer Internship)**
SC Johnson and Son, Inc., Racine, WI
- 1999-2001 **Research Assistant for John West PhD,** Department of Chemistry
Florida Agricultural and Mechanical University, Tallahassee, FL

Publications/Published Books:

- [Experimental Design Process: A Guide for High School Students to Conduct Research Like A Research Scientist](#) November 25, 2019.
- T. Smith and N. Johnson [“Creating Support Systems for Black Women in Non-Traditional Career Paths”](#) in Women’s Influence on Inclusion, Equity and Diversity in STEM Fields by Drs. Ursula Thomas and Jill Drake IGI Global pgs. 108-142, May 2019.
- [A Guide to Hosting STEM Events](#) September 30, 2014.

Speaking Engagements:

- Anti-Racism Lecture Series (virtual), *“Never Limit Yourself”* **Harvey Mudd College** August 22, 2022
- District Regional Science and Engineering Fair Award Ceremony, **Atlanta Public School District,** February 28, 2019
- STAR Perfect Score Celebration **Oakland Unified School District Office of African American Achievement,** October 11, 2012, Oakland, CA

Curricula/Courses Developed:

- 2019 Parents as Architects: Creating Blueprints for your Child's Success in STEM developed for Kemet Educational Services
- 2018- Experimental Design: Online Course for High School Students- SEM Link Inc.
- 2018 School Break STEM: Engaging Kids in STEM Activities during School Breaks developed for Kemet Educational Services.
- 2018- Summer of STEM: Creating STEM Educational Experiences for Your Children developed for Kemet Educational Services
- 2017 STEM of Golf Curriculum developed for First Tee of Atlanta
- 2013 and 2014- STEM Literacy Curriculum with hands on STEM activities for bilingual kids and parents
- 2013- Engineering Design Challenge for Middle School students
- 2012 and 2013- STEM Curriculum Oakland Freedom Schools for K-8 students
- 2011-General STEM curriculum for hands on STEM activities for K-12 students
- 2008 Disease Detectives: A lesson on epidemiology and public health
- 2008 *Scientific* Literacy: Teaching Kids to Read, Write and Talk Science
- 2007 Experimental Design: A Method for Developing Math and Science Fair Projects for K-12 students
- 2007 Standard Test Preparation Strategies

Professional Development Workshops Conducted

"Trust Your Intuition; Building a Board Isn't Rocket Science" co-presenter Karin Douglas **Momentum Nonprofit Partners** Midsouth Nonprofit Conference, April 20, 2023

"Take Your Nonprofit Concept from Idea to Sustainable Organization" **Candid** (Candid Learning Webinar series), September 29, 2022

"Preparing for the Next Phase of Your Genetics Counseling Career" **GOLDEN**, October 21, 2021

"Managing Your Genetics Counseling Career" **GOLDEN**, May 20, 2021

"Preparing for Your Post-Graduation Options" **HCOP Summer Academy Morehouse School of Medicine** Atlanta, GA June 19, 2019

"STEM Writing as a Lucrative Career" **Write 2 Rise Workshop** hosted by **Fulton County Commissioner Marvin Arrington Jr Wolf Creek Library** Atlanta, GA June 9, 2018

"Preparing for Your Post-Graduation Options" **WiSE UP Scholarship Program Spelman College** Atlanta, GA February 17, 2018

"Digital Communication: A Tool for Branding and Relationship Building"- **CTLP Leadership Training Morehouse College**, Atlanta, GA January 9, 2018

"SMART Devices as Tools in Lesson Plan Development in STEM" **Career, Technical and Agricultural Education System Wide Professional Development for Clayton County Public Schools** Morrow, GA, January 5, 2018

“Out of the Box STEM” **School of Education, University of San Francisco, San Francisco, CA** February 9, 2016

“What’s Good in My Hood” **Educational Opportunity Program Summer Bridge Program at California State University at East Bay, Hayward, CA** August 4-6 and 21, 2015

“Building and Maintaining Your Professional Network” **STEM Professional Development Workshop Series Academic Advising and Career Education (AACE) at California State University at East Bay, Hayward, CA, May 19, 2015**

“What Are Your Post Graduation Options” **STEM Professional Development Workshop Series Academic Advising and Career Education (AACE) at California State University at East Bay, Hayward, CA** May 5, 2015

“Who and What is A STEM Professional: How Do I Become One” **Florida Agricultural and Mechanical University College of Science and Technology [2nd Annual STEM Day](#)** Tallahassee, FL, March 28, 2015

“Following Up with STEM Employers” **STEM Professional Development Workshop Series Academic Advising and Career Education (AACE) at California State University at East Bay, Hayward, CA** February 26, 2015

“Creating Your Elevator Pitch” **STEM Professional Development Workshop Series Academic Advising and Career Education (AACE) at California State University at East Bay, Hayward, CA** February 19, 2015

“Creating a STEM Resume” **STEM Professional Development Workshop Series Academic Advising and Career Education (AACE) at California State University at East Bay, Hayward, CA** February 10, 2015

“Parks are for more than BBQ’s and Bike Riding” **BioBlitz 2014** San Francisco, CA, March 29, 2014

“Who and What is A STEM Professional: How Do I Become One” **Alpha Kappa Alpha Sorority Inc. Alpha Nu Omega Chapter Emerging Young Leaders Youth Summit, Berkeley, CA, February 22, 2014**

“Making STEM Fun and Interdisciplinary” **Contra Costa County Office of Education 4th Annual San Francisco STEAM Colloquium, San Ramon, CA, February 7, 2014**

“Managing a Sustainable STEM Career” **Contra Costa HSI-STEM Program, San Pablo, CA, January 30, 2014**

“Making STEM Fun and Interdisciplinary” **Florida League of Middle Schools Regional VII STEM Conference** Pembroke Pines, FL, October 25, 2013

“Experimental Design: Teaching K-12 Students How to Read, Write, Talk and Do STEM through STEM Fairs” **Oakland Unified School District Science Educator Professional Development** Oakland, CA, October 10, 2012

“Who and What is A STEM Professional: How Do I Become One” **Contra Costa County Office of Education COOL Nite, Concord, CA, May 4, 2012**

“Parents as Partners: Supporting Your Student at Home in STEM” African American Spring Parent Conference, Oakland Unified School District Office of African American Male Achievement, Oakland, CA April 21, 2012

“Managing a Sustainable Career in Biomedical Sciences and Health Careers” The Association of Minority Health Professions Schools, Inc. 26th Annual Symposium on Career Opportunities in Biomedical Sciences and Health Professions, Long Beach Hilton, March 23-24, 2012

“The Importance of Role Models in STEM Education” 2nd Annual STEAM Colloquium, Contra Costa County Office of Education, February 2, 2012

“Making STEAM Sizzle” 2nd Annual STEAM Colloquium, Contra Costa County Office of Education, February 2, 2012

“Biotech: Its Connections to Classrooms, Lab and the Real World” Monthly Biotech Brunch of Bridge 2 Biotech Program, City College of San Francisco December 12, 2010

“Chemical Engineers: Who are they and what do they have to do with me?” Green Scholars Institute, Santa Clara, CA June 14, 2010

“Mentoring: Achieving Your Career Goals through Relationship Building” 23rd Annual Symposium on Career Opportunities in Biomedical Sciences and Health Professions of the Association of Minority Health Professional Schools, Louisville, KY, April 1-4, 2009.

Articles Written:

[“Philanthropy Must Prioritize Elevating and Including Black Voices”](#) Candid. Org, August 8, 2022

[Women's History Month Highlight](#) Community Foundation for Greater Atlanta, March 16, 2022

[“The Intersectionality of Black Women and Girls in STEM” Tokiwa T Smith Medium Blog,](#) March 14, 2021.

[“Thriving: Black Childrens Academic Success During the Pandemic”](#) , [Tokiwa T Smith Medium Blog,](#) February 11, 2021.

[“Dreaming Bigger”](#) Women of Color in Philanthropy and Fundraising (WOC) January 2021

[“Barely Keeping Our Doors Open How Covid-19 has Affected My Small Black-woman led nonprofit”](#) Candid.org , July 1, 2020

[“Success Strategies for Your First STEM Job”](#) **HBCULifestyle.com** August 18, 2017

[“Maximizing Your STEM Internship or Summer Research Opportunity”](#) **HBCULifestyle.com** May 12, 2017

[“Black Women in STEM” Tips for Navigating the HBCU Experience”](#) **HBCULifestyle.com** March 17, 2017

[“How to Mentoring Can Level Up Your Professional Development”](#) **HBCULifestyle.com** January 16, 2017

["How to Carry On The Momentum During Holiday Break"](#) **HBCULifestyle.com** December 12, 2016

["STEM Conferences as a Key Component for Professional Development"](#) **HBCULifestyle.com** October, 31, 2016

["STEM Courses: 9 Proven Strategies for Academic Success"](#) **HBCULifeStyle.com** September 19, 2016

["Remembering the Science, Engineering and Math in STEM"](#) **UrbanGeekz.com**, February 9, 2015

["Mistaken Identity: the Assumption that Women in Leadership are Men in Email Communication"](#) **Ezine.com**, March 22, 2011

["Creating the Foundation for Academic Achievement and Career Exploration in STEM for K-12 students"](#) **Ezine.com**, February 4, 2011

["Creating the Best Math and Science Educational Experiences for Youth"](#) **Ezine.com**, January 25, 2011

["STEM Education: Connecting the Classrooms to Careers"](#) **Ezine.com**, January 14, 2011

["The Fun of the Discovery of Science: Engaging Kids in Hands on Science"](#) **Ezine.com**, January 10, 2011

["Mentoring in STEM: The Village Educating the Child by Enhancing STEM Educational Experiences"](#) **Ezine.com**, January 6, 2011

["The Importance of Strategic Partnerships in A Nonprofit Organization Growth and Sustainability"](#) **Ezine.com**, December 8, 2010

["Designing an Experiment for an Award Winning K-12 Math or Science Fair Project"](#) **Ezine.com**, November 2009

["Why Small and Medium Sized Business Owners Should Support Local Nonprofits"](#) **Ezine.com**, September 2009

["Study Strategies for Academic Achievement in Math and Science"](#) **Ezine.com**, September 2009

["Changing the Perception and Make Learning Math and Science Fun for your Children"](#) **Ezine.com**, September 2009

["Mentoring NOBCCChE Style"](#) **NOBCCChE News Online** April 2007

Media Outlet Features:

- **Elaborate Topics** ["Leadership, Influence and Impact in STEM"](#) August, 2, 2022
- **Your Black Matters** [Restoring Education to Black Kids K-12](#) January 8, 2021
- **Atlanta Magazine** [2019 Women Making A Mark Honorees Video Interview](#) June 2019
- **Atlanta Magazine** [Women Making A Mark Tokiwa Smith](#) May 28, 2019
- **Teen Science Café Network** [Teen Science Cafe Spotlight: Tokiwa Smith](#) May 23, 2019
- **Beyond the Bench: STEMulating Career Conversations** [Tokiwa Smith Using Her Chem E Training to Launch A NonProfit](#) May 8, 2019
- **Voyage Atlanta** [Meet Tokiwa Smith of Science, Engineering and Mathematics Link](#) May 23, 2018
- **CW Atlanta Focus** [SEM Link connects students to STEM careers of their future](#) April 1, 2018
- **Vanguard STEM** [Women Crush Wednesday in STEM \(#WCWinSTEM\)](#) February 21, 2018

- **US Black Engineer** [Tokiwa Smith Changing the World](#) February 15, 2018
- **The More than Just Science Show** [Episode 42 Ms. Tokiwa Smith, CEO and Principal Consultant of Kemet Educational Services](#) December 2, 2017
- **District Dialogues-** Fulton County District 5 Commissioner Marvin Arrington Jr. [Community Spotlight](#) November 2017
- **Big Words Blog Site** [Tokiwa Smith discusses SEM Link and STEM](#) February 7, 2017
- **Color of STEM** [Tokiwa T. Smith STEM Professional Turned STEM Educator](#) January 10, 2017
- **#BLACKandSTEM Twitter Chat** [Discussion about STEM outreach](#) September 22, 2016
- **FAMU-FSU College of Engineering Alumni Spotlight** [FAMU chemical engineering alumna new K-12 outreach manager for Lawrence Berkeley National Lab](#) Spring 2016
- **My HBCU Interview** [Tokiwa Smith Florida A & M University 2001](#) February 2016
- **NPR Tell Me More** [Women Digital Thinkers Tweet for A Day](#) March 2014
- **Southern New Hampshire University** [Social-E Six](#) March 12, 2014
- **Oakland Digital Arts Literacy Center** [Black History Reflections Reflecting on the Past Looking Towards the Future](#) February 27, 2014
- **The Griot.com** [Green Scholars seek to place youth in STEM jobs](#) June 7, 2013
- [2° Episode 4 Tokiwa Smith](#) March 24, 2013
- **Ebony Magazine** [10 Black Twitter Tweeps to Watch!](#) February 20, 2013
- **California Science Classroom, a publication of the California Science Teachers Association,** [Interview of Tokiwa Smith of SEM Link](#), January 2013 volume 25 number 5
- **HBCU Lifestyle** Podcast Episode 6, [Exposing K-12 students to the possibilities of STEM careers](#), December 22, 2012
- **Black Gives Back** [Catching Up With Black Gives Back Contributor Tokiwa Smith Founder of SEM Link Inc](#) July 19, 2012
- **Kapor Center for Social Impact formerly known as Mitchell Kapor Foundation blog** [Look at Whose Preparing African American Males for College](#) April 12, 2012
- **Corporate Chics** [Sister Girl Tuesday Feature](#) April 10, 2012
- **STEMinist** [STEMinist Profile: Tokiwa T. Smith](#) January 29, 2012
- **Scientific American** [Tokiwa T. Smith Exposing and Encouraging Urban Youth in Science and Math](#) by Dr. Danielle N. Lee, October 16, 2011
- **The Black Man Can** [Exquisite Women](#) March 7, 2011
- **Examiner.com Oakland Business Insight Examiner** Vernita Naylor: [Face-4ward-SEM Link Connecting with Bay Area Youth](#) February 23, 2011
- **OneMillionEntrepreneurs.com** [Connecting Youth to STEM Careers](#) February 15, 2011
- **Black Nobility Magazine** “Unveiling Potential Through Exposure” October 2010
- **TrackAhead.Com** [Track Ahead Talks with Tokiwa Smith](#), September 2010
- **NOBCCChE New Online, NOBCCChE Rising Star: Tokiwa Smith** Winter 2007

Presentations:

T. Smith and Rachel Thibault “*Student Research Projects as an On Ramp to Invention*” **Lemelson-MIT Professional Development Conference**, virtual, July 14, 2021

T. Smith “*STEM Research: A Tool for College and Career Readiness in STEM*” **Georgia STEM/STEAM Forum** Athens, GA, October 20, 2019

T. Smith* and L. Myles “[Thinkers and Doers: Strategies for Communicating Science](#)” **American Geophysical Union Fall 2015 Meeting** San Francisco, CA, December 2015

T. Smith [“Adult Behaviors that Discourage or Encourage Youth in STEM”](#) IGNITE at AGU **American Geophysical Union Fall 2013 Meeting** San Francisco, CA, December 11, 2013

T. Smith* and L. Myles [“Linking Urban Youth to STEM Research Outcomes of Educational Outreach in Diverse K-12 Schools”](#) **American Geophysical Union Fall 2012 Meeting** San Francisco, CA, December 2012

T. Smith*, [J. West](#) and B. Dunn “An NMR Investigation of Peptide Inhibitors for HIV-1 Protease” **28th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers**, Baltimore, MD, April 2001.

T. Smith*, [J. West](#) and B. Dunn “An NMR Investigation of Peptide Inhibitors for HIV-1 Protease” **2000 Annual Meeting of the American Institute of Chemical Engineers**, Los Angeles, CA, November 2000.

T. Smith*, [J. West](#) and B. Dunn “An NMR Investigation of Peptide Inhibitors for HIV-1 Protease” **27th 2000 Southeast Regional Conference American Institute of Chemical Engineers**, University of Kentucky, Lexington, KY April 2000.

T. Smith*, [J. West](#) and B. Dunn “An NMR Investigation of Peptide Inhibitors for HIV-1 Protease” **27th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers**, Miami, FL, March 2000.

Special Event Coordination:

- 2008- present- SEM Link STEM Career Fair and Exhibition
- September 2018-present Teen Science Cafe
- September/October 2013- Science Fiction Film and Writing Festival
- October 2012 STEMposium at Youth Speaks Life is Living Festival
- May 2012- CAAAE Carver Scholars Program Science Fair
- April 2012- Maxwell Park Elementary PEACE Week Design Challenge
- February 2012- Maxwell Park Elementary School National Engineers Week Celebration
- October 2011- STEMposium at Youth Speaks Life is Living Festival
- February 2011- Maxwell Park Math and Science Night
- October 2010- SEM Link and ASA Community Science Center National Chemistry Week Celebration
- September 2010- SEM Link and ASA Community Science Center Back to School Math and Science Boot Camp
- 2006, 2007, 2008 NOBCChE Southeast Regional Meetings

Continuing Education and Professional Development

- Digital Marketing and Fundraising Certificate, Nonprofit Tech for Good, November 2020
- Diversified Fund Development: From Fundraising to Community Development Certificate, Junior League of Atlanta Leadership Institute (JLALI), October 2020
- Building Leadership Skills Success in the Scientific Workforce, Earth Sciences Women’s Network Women in Sciences Leadership Workshop, November 3-6, 2019
- 2019 Cohort 2 Fellow, The Coaching Fellowship, September 30, 2019
- STEM Problem and Place-based Learning for Elementary Classrooms- BK International Educational Consultancy, June 2019
- Foundation Center South 2018 Boys & Men of Color Executive Director Collaboration Circle
- 4.0 Schools Fall 2018 Essentials Fellowship Program

- Urban Environmental Education Expert Certificate, Cornell University Civic Ecology Lab, June 8, 2017
- Urban Environmental Education Achievement Certificate, Cornell University, Civic Ecology Lab May 16, 2017
- Geophysical Information for Teachers- December 2012, December 2013, December 2014 and December 2015
- AAAS National Digital Science Library Science Literacy Maps Training March 2011
- PEAK Energy Training, February 2011
- Great Science for Girls, August 2010
- AAAS Climate Literacy Conference, February 2010
- Essentials of Finance and Accounting for Nonfinancial Managers, November 2006
- Business Grammar and Writing Skills, October 2005
- Supervisor Training, Spelman College, June 2005
- Team Building, Coaching and Mentoring, July 2004
- Supplemental Instruction Supervisor Training, August 2004
- Move It Math Training, Project GRAD Atlanta, July 2002
- Success for All Training, Project GRAD, Atlanta-July 2002

Professional Activities and Affiliations:

Aerotropolis Atlanta Education Collective (2019-2020), Atlanta Public School District Regional Fair Scientific Review Committee (2019-2021), Atlanta Science Festival- Chief Scientific Officer Steering Committee, Coalition for the Public Understanding of Science (COPUS), [Community Environmental Education Fellowship 2013](#), Community Foundation of Greater Atlanta PreK-12 Collective Impact Convening (2020-2021), Emerging Researchers National (ERN) Conference in Science, Technology, Engineering and Mathematics (STEM) Abstract Reviewer and Judge, Georgia Science and Engineering Fair Judge, International Science and Engineering Fair Grand Award Judge, Society for Science International Science and Engineering Fair Local Arrangements Committee, Learn 4 Life 8th Grade Mathematics Proficiency Change Action Network (2019-2022), National Science Foundation Proposal Reviewer, Alfred P. Sloan Foundation Grant Reviewer (2018), Spelman College Research Day Judge, Southern Black Girls and Women Consortium Wisdom Council Member, Technology Student Association 2018 National Conference Student Competition Judge (Middle School Biotechnology), Teen Science Café Network Advisory Committee Member (2017-2019), University of California at Berkeley Pre-College Trio Program Advisory Council (2014-17)

Community Affiliations:

Junior League of Atlanta, National Coalition of 100 Black Women Inc.-Northwest Georgia Chapter (2018-2022), United Way Volunteer Involvement Program Alumni