

# Fatima S. Alleyne, Ph.D.

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## EDUCATION

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University of California, Berkeley <i>Doctor of Philosophy, Materials Science and Engineering</i>	Berkeley, CA May 2013
University of California, Berkeley <i>Master of Science, Materials Science and Engineering</i>	Berkeley, CA December 2006
City University of New York (CUNY), Hunter College <i>Bachelor of Arts, Chemistry, Mathematics</i>	New York, NY January 2002
City University of New York (CUNY), Medgar Evers College <i>Associate in Science, Physical Sciences</i>	Brooklyn, NY May 2000

## RELEVANT SKILLS

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- Experience in the design and implementation of academic enrichment and compensatory programs, with cultural competency, in support of African American urban youth.
- Effective skills in community engagement and presentation including parent/guardian engagement and advocacy. Experienced Parent Advocate.
- Awareness of current educational trends and laws locally and nationally.
- Provides contract management, quality assurance, and directs staff supervision.
- Conducts research and program analysis to strengthen program direction, community engagement, and fund development.
- Experience with fundraising, grant-writing, fiscal management, and reporting.
- Effective mediator and able to forge relationships across multi-disciplinary settings in support of program and advocacy initiatives.
- Ability to learn policies and follow regulations and protocols.
- Timely with deadlines.

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## WORK AND TEACHING EXPERIENCE

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**Center for Restorative Solutions**  
*Educational Parent Advocacy Consultant*

**Oakland, CA**  
March 2015 - Present

**United States Department of Agriculture**  
*Research General Engineer*

**Albany, CA**  
January 2014 - Present

**University of California, Berkeley**  
*Research Specialist*

**Berkeley, CA**  
May 2013 - December 2013

**University of California, Berkeley**  
College of Engineering  
*Reader*  
*Graduate Student Instructor*  
*Reader*  
*Graduate Student Instructor*

**Berkeley, CA**  
January 2012 - May 2012  
January 2011 - May 2011  
August 2006 - May 2007  
August 2005 - December 2005

**University of California, Berkeley**  
Scalable and Integrated Nanomanufacturing (SINAM)  
*Education and Outreach Coordinator*

**Berkeley, CA**  
August 2009 - August 2011

**City University of New York (CUNY), Medgar Evers College**  
School of Science, Health and Technology  
*Lecturer*

**Brooklyn, NY**  
January 2002 - May 2002

**City University of New York (CUNY), Hunter College**  
Physics Department  
*Undergraduate Researcher*

**New York, NY**  
January 2000 - July 2002

**Massachusetts Institute of Technology (MIT)**  
Department of Materials Science and Engineering  
*Undergraduate Researcher*

**Cambridge, Massachusetts**  
June 2001 - August 2001

## LEADERSHIP

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- **West Contra Costa Unified School District (WCCUSD) - African American Parents Group**  
LCAP Video Committee Chair [June 2016 - present].
- **Black Women Organized for Political Action (BWOPA)**  
Richmond Chapter Member [April 2016 - present]
  - Dezie Woods Jones (DWJ) Public Policy Fellow [February 2016 - present].
- **United States Department of Agriculture (USDA) - Stockroom Committee**  
Member [February 2016 - present] • Committee Chair [April 2016 - June 2016]
- **Blackboard of West Contra Costa**  
Member of the Board of Directors [March 2016 - present]
  - Community/ Parent Engagement Chair [March 2016 - present].
- **Center for Restorative Solutions (C4RS)**  
Educational Parent Advocacy Consultant [January 2016 - present]
- **West Contra Costa Unified School District (WCCUSD)**  
Learning Out of the Box Experience (LOBE) Program Leader [August 2015 - present]
  - Parent Volunteer [August 2014 - present]
  - School Site Council Chair and Parent Rep [August 2014 - June 2016]
- **United States Department of Agriculture (USDA) - Outreach, Diversity, and Equal Opportunity (ODEO)**  
Member [August 2014 - present]
  - Committee Chair [February 2015 - March 2016].
- **National Girls Collaborative Project - California Girls in STEM (CalGirls) Collaborative**  
Member of the Leadership Team [September 2013 - present].
- **West Contra Costa Unified School District (WCCUSD) - Community Budget Advisory Committee (CBAC)**  
Committee Chair [January 2016 - May 2016]
  - Parent Representative [September 2013 - May 2016].
- **Girls Inc. of West Contra Costa County**  
Member of Board of Directors [March 2014 - October 2014].
- **Washington Elementary School - Enrichment Program Committee (EPC)**  
Committee Co-Chair [June 2013 - June 2014].
- **California College Preparatory Academy - Advisory School Council (ASC)**  
Vice President [September 2012 - June 2014].
- **West Contra Costa Unified School District (WCCUSD) - Washington Elementary School School Site Council (SSC) Parent Representative** [June 2012 - June 2014]
  - Parent Teacher Association (PTA) Member [September 2008 - June 2014]
  - Room Parent [August 2008 - June 2014].

## LEADERSHIP *(continued)*

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- **Lawrence Hall of Science**  
STEM Outreach Volunteer [April 2010 - June 2014].
- **American Society for Engineering Education - Materials Division, Community Engagement in Engineering Education Division and Multidisciplinary Engineering Division**  
Publication Reviewer for 2014 Annual Conference [October 2013 - January 2014].
- **UC Berkeley - Department of Materials Science and Engineering**  
Laboratory Safety Officer for Prof. Ronald Gronsky's research group [August 2009 - December 2013, January 2003 - August 2008].
- **West Contra Costa Youth League (WCCYSL)**  
Golden Eagles Team Manager [August 2013 - November 2013].
- **El Nuevo Mundo Early Childhood Education**  
Vice-President [October 2011 - August 2013].
- **UC Berkeley - Chancellor's Advisory Committee on Dependent Care (CACDC)**  
Graduate Student Representative [January 2012 - May 2013].
- **UC Berkeley - Department of Mechanical Engineering**  
Laboratory Safety Officer for Prof. Alice Agogino's research group [January 2010 - May 2013].
- **UC Berkeley - Black Graduate Engineering and Science Students (BGESS)**  
Vice-President [September 2011 - May 2012].
- **Lawrence Berkeley National Lab (LBNL) Center for Science and Engineering Education (CSEE)**  
Application Reviewer for Berkeley Lab Internships for Pre-Collegiate Scholars (BLIPS) [April 2012].
- **UC Berkeley - College of Engineering**  
Signatory Member of the MSE Graduate Student Council [Fall 2010 - Spring 2012] • Signatory Member of the Women in Materials Science (WIMS) [Fall 2010 - Spring 2012].
- **UC Berkeley - Summer Math and Science Honors (SMASH)**  
Project Leader [June 2011 - July 2011].
- **Albany Berkeley Soccer Club (ABSC)**  
Breakaways Team Manager [Fall 2010] • Cougars Team Manager [Spring 2010].
- **Albany Middle School - Parent Teacher Association (PTA)**  
Member [September 2008 - May 2010].

## PUBLIC SPEAKING ENGAGEMENTS

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- Black Minds Matter Data Walk- Go Public Schools, West Contra Costa, Richmond, California [May 2016].
- West Contra Costa Unified School District (WCCUSD) 10<sup>th</sup> Annual Parents as Partners and Leaders Conference, Richmond, California [April 2016].
- COMSOL Conference, Boston, Massachusetts [October 2015].
- Institute of Food Technologists (IFT) Annual Conference, Chicago, Illinois [July 2015].
- 6<sup>th</sup> Annual Northern California Summit on Children and Youth: Bridging the STEM Diversity Gap - Building the Next Generation Workforce, Richmond, California [April 2015].
- Microscopy and Microanalysis Conference, Indianapolis, Indiana [August 2013].
- Featured Maker, Open Make "Tiny Tech," Lawrence Hall of Science, Berkeley, CA [April 2013].
- Department Colloquium, Department of Nanoengineering, University of California, San Diego, La Jolla, CA [April 2013].
- Materials Research Society (MRS) 2013 Spring Conference, San Francisco, CA [April 2013].
- Department Colloquium, Department of Materials Science and Engineering, Ohio State University, Columbus, OH [March 2013].
- NanoTech Conference & Expo, Santa Clara, CA [June 2012].
- Center for Minorities and People with Disabilities in Information Technology (CMD-IT) Career Workshop for Underrepresented Participants, Atlanta, Georgia [March 2012].
- 2011 Conference of Ford Fellows, Irvine, CA [October 2011].
- Microscopy and Microanalysis (M&M) Conference, Nashville, Tennessee [August 2011].
- Berkeley Nanotechnology Forum, UC Berkeley, CA [April 2011].
- Sustainability Fair, UC Berkeley, CA [April 2011].
- Berkeley Edge Luncheon, Berkeley, CA [July 2008].
- Advanced Invention to Venture (AI2V), Portland, Oregon [May 2008].
- National Collegiate Inventors and Innovators Alliance (NCIIA) 11<sup>th</sup> Annual Meeting, Tampa, FL [March 2007].
- The 2006 National Idea to Product® Competition for EPICS and Social Entrepreneurship, San Jose, CA [April 2006].
- Sixth Annual Virtual Development Center Conference, Denver, CO [April 2005].
- Proctor & Gamble School Collaboratives Program Design Review, Cincinnati, OH [April 2005].

## HONORS AND ACCOMPLISHMENTS

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- Performance Award, United States Department of Agriculture (USDA) [2015].
- Spot Award, United States Department of Agriculture (USDA) [2015].
- Performance Award, United States Department of Agriculture (USDA) [2014].
- UC Berkeley How Students Learn: Spring Seminar and Summer Program Fellow [2013].
- UC Berkeley Dissertation-Year Fellowship Recipient [2012 - 2013].
- Founder Region Soroptimist Fellowship Recipient [2012].
- UC Berkeley Summer Institute for Preparing Future Faculty Fellow [2011].
- National Science Foundation (NSF) Grant Recipient [2010 - 2011, 2009 - 2010].
- National Collegiate Inventors and Innovators Alliance (NCIIA) Advanced E-Team Grant Recipient [2005 - 2006].
- Ford Foundation Fellow [2004 - 2005, 2002 - 2003].
- UC Berkeley Chancellor's Opportunity Pre-doctoral Fellow [2003 - 2004].
- CUNY Hunter College David and Sadie Klau Foundation Grant Recipient [2002 - 2003].