Curriculum Vitae

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Career Goals: To teach and provide leadership in traditional STEM fields so that students are empowered to explore and understand meaningful quantitative theory as well as applications to the real world. To also apply research methods that will foster and support best practices for academic achievement in the social and physical sciences.

Education: **PhD** (American University 2003 Mathematics Education) **MST** (The University of the District of Columbia 1987 Mathematics) **BS** (The University of the District of Columbia 1980 *Double Major* Mathematics and Business Education)

Additional and Field Specific Graduate Course Work: **The George Washington University** (Physics 7 credit hours, Public Administration 6 Graduate credit hours 1992 – 1995) **Howard University** (Physics 6 Graduate credit hours 2005 – 2006) **Trinity University** (Physics 3 credit hours , Calculus Concepts 3 credit hours Summer 2011) **American University (** Statistics 21 graduate hours, Educational Research 6 graduate hours) **The University of the District of Columbia** (Statistics 6 graduate hours)

Instructional and Field Specific Training: Usage of , training in , and competence in the following Statistical data analysis software packages; SPSS, EXCEL, STATA, SAS, R, PYTHON and STATCRUCH. Advance Placement Training Calculus BC and Calculus AB (The University of North Carolina at Charlotte and Duke University) AP Statistics (The College of William and Mary) Mathematics Coach training (America’s Choice Coaching Training Program) Teacher Mentor Training (New Teacher Center Coaching Training DCPS)

Work Experiences:

Mathematics Teacher, Mathematics Department Chairperson, High School Administrator, Numeracy Coach, Mathematics Curriculum Writer 1981 – 2011 **The District of Columbia Public School System**

Professorial Lecturer of Mathematics and Statistics **American University** 2014 to Present

Adjunct Lecturer of Mathematics and Statistics **American University** 2003 – 2014

Adjunct Lecturer of Mathematics and Statistics **The University of the District of Columbia** 1987 – 2014

Lecturer of Mathematics (multiple summer Mathematics enrichment programs; **Michigan State University**, **Bowie State University**, **Howard University** 1985 – 2012)

Recent Publication**:**

James C Dickens The Data Science Public Schools Outreach Project: An Initiative for Diversity and Inclusion in Statistics CHANCE Volume 34, March