

Andrea S. King

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RESEARCH INTERESTS

Data analytics and visualization, blockchain, service learning

EDUCATION

M.S. in Information Systems, 2000, Pace University, NYC

B.B.A. in Management Information Systems, 1984, Pace University, NYC

Google Data Analytics Professional Certificate – expected completion date, March 2025

APPOINTMENTS

- Assistant Director, Howard University, College of Arts & Sciences Honors Program – August 2022 to Present
- Adjunct Instructor, Bowie State University, College of Business, Management Information Systems Department, Maryland – September 2022 to December 2023
- Lecturer, Bowie State University, College of Business, Management Information Systems Department, Maryland – September 2017 to August 2022
- Lecturer, Towson University, Jess & Mildred Fisher College of Science & Mathematics, Department of Computer & Information Systems, Maryland – January 2017-July 2017
- Lecturer, Pace University, Ivan G. Seidenberg School of Computer Science and Information Systems, Information Technology Department, NYC - January 2001–December 2016
- Adjunct Instructor, Pace University, Ivan G. Seidenberg School of Computer Science and Information Systems, Information Technology Department, NYC - September 1997-December 2000

PUBLICATIONS

- “The evolution of successful service-learning courses in the computing curriculum: From infancy to innovation”. Published in Journal of Computing Sciences in Colleges, Volume 28, Issue 6, Pages 109-116, 2013
- “Community Empowerment and Service Learning Practices through Computer Science Curricula of a Major Metropolitan University”. Published in The Journal of Computing Sciences in Colleges, Volume 25, Issue 4, 2010

CONFERENCE PRESENTATIONS

- “Approaches to Incorporating Entrepreneurship Pedagogy into BSU Curriculum Using a Service Learning Methodology”. Presented at August 2018 Faculty Institute, Bowie State University, Bowie, MD, August 22, 2018
- “Technology Literacy for Older Adults Through Service Learning”. Presented at Beyond the Classroom: Applying Literacy to Promote Equity, Read.Write.Act Virtual Conference, Student Coalition for Action in Literacy Education (SCALE), November 1, 2013
- “Course Technology and Online Education: A Study of the Impact on Student Learning”. Presented at, and included in the proceedings of, the Information Systems Education Conference 2010 (ISECON), Association of Information Technology Professionals (AITP), Philadelphia, PA, October 2010
- “Incorporating Service-Learning in Higher Education Technology Curriculum: Development, Implementation, and Partnerships”. Presented at National Conference on Volunteering and Service, NYC, June 2010
- "Global Community Service-Learning Partners: Best practices Utilizing Technology as the Tool for Student Learning". Presented at “From Planning to Practice: A Virtual Conference on the Use and Assessment of Technology for Teaching Language, Culture and International Relations.”, NITLE, November 2009
- “Community Empowerment and Service Learning Practices Through Computer Science Curricula of a Major Metropolitan University”. Tutorial presentation and conference journal publication at 25th Annual Consortium for Computing Sciences in Colleges (CCSC), Villanova University, Pennsylvania, October 2009
- “The Role of Service-Learning Computing Courses for All Students: Fostering Community Involvement”. Presented at session titled “Service Learning and Social Justice Programs: The Role of Technology”, NITLE Conference, Swarthmore College, October 2008
- “Pathways to Engagement: Asset-Based Community Development”. Presented at session titled “Alternative Approaches to Building Skills & Career Paths”, Trendsetters Network Conference, Pace University, March 2005
- “Student Reflection and Reading Reports In Service Learning: An Analysis of a Service Learning Course at Pace University”. Presented at, and included in the proceedings of, the Information Systems Education Conference 2005 (ISECON), Association of Information Technology Professionals (AITP), Columbus, OH, October 2005
- “Case Study in Community Empowerment through Trendsetters Network Technology Project”. Presented at, and included in the proceedings of, the EISTA 2005 & CISTA 2005 Conference, Pace University session, Orlando, FL, July 2005

GRANTS AWARDED

- Co-PI, Sloan Foundation’s Creating Equitable Pathways to STEM Graduate Education initiative, “Research Curricula in Economics and Quantitative Social Science: The Critical Mass Problem”, \$249,274 award

- Co-PI, NSF INCLUDES HBCU-UP Targeted Infusion Program, “Providing a Data Science and Analytics approach to the Honors Curriculum at Howard University” – \$400,000 grant
- Bowie State University 2021 Innovative Retention Intervention Strategies Grant, Mentor Alliance mentorship program, \$10,000 award
- Morgan State University FinTech Center, 2020 HBCU Blockchain Summit – \$1000 course modification grant awarded
- pwc (Price Waterhouse Coopers) 2020 Digital Enablement Grant, “Data Analytics and Supply Chain Management”, \$10,000 award

TEACHING EXPERIENCE

Undergraduate & Graduate Courses (lecture, lab, in-lab, online, hybrid modalities)

- Exploration of Research and Data (Honors Course for Incoming Freshmen & Sophomores)
- Introduction to Object Oriented Programming for Business (Java, Python)
- Information Systems for Management
- Analysis & Design of Information Systems
- Special Topics in Information Systems (Blockchain, Data Analytics, Robotic Process Automation, Supply Chain Management)
- Java Programming, C++ Programming
- Web Design for Non-Profit Organizations
- Problem Solving Using LEGO Robotics
- Computers for Human Empowerment
- IT for Strategic Community Planning (GIS)
- Global Networking Technology
- Internet Development for Electronic Commerce

ACTIVITIES & SERVICE

Howard University:

- Mentor, International THREADS (Thesis Honors Research Experiences for Academic Data Scientists) Program
- Co-Developer/-Facilitator, Exploration of Research and Data - Honors Program course for incoming Honors Program freshmen and sophomores
- Member, CADSA (Center for Applied Data Science and Analytics)
- Honors Program assessment tasks
- Faculty Advisor, Delta Research and Educational Foundation (DREF) Research Matters, HBCU Research Accelerates Possibilities (R.A.P.) Sessions
- Faculty Advisor, HBCU A.B.L.E. (Alumni Building Lasting Engagement)
- Reviewer, Patricia Roberts Harris Fellowship Applications
- Volunteer, Staff and Student Wellness Events; Staff Appreciation Events

Bowie State University:

- Undergraduate Program Coordinator/Assessment Coordinator, MIS Department
- Chair, College of Business Alumni Engagement Committee; Chair, Faculty Senate Constitution Committee
- Program Coordinator/Director, Mentor Alliance, College of Business Mentorship Program
- Secretary, CASTLE (Committee on Assessment of Student Learning & Experience) Committee
- Course development for the Public Health Informatics & Technology (PHIT) Workforce Development Program funded by \$10 million grant award from the US Department of Health & Human Services
- Faculty Advisor, Bionic Bulldogs Robotics Club; Delta Sigma Pi Professional Business Fraternity; Co-Faculty Advisor, NSBE Collegiate Chapter
- Freshman Seminar – Robotics session facilitator
- Census Bureau MOU – facilitated MOU with College of Business
- Blockchain Champion, Morgan State University FinTech Center, HBCU Blockchain Summit
- Campus Champion, HP HBCU Technology Conference, Future of Work Academy & Bot-a-thon
- Participant, NSF grant-funded university-wide Data Science & Analytics initiative; participant College of Business Strategic Planning Committee
- COVID-19 Pandemic - Instructional Design Professional Development Facilitator, Multi-Section Online Course Coordinator
- Co-Editor, The Xcelerator, College of Business magazine
- Co-Lead Facilitator, DSCI, Inc. (Data Science Camp, Inc.) Sports Analytics STEAM Camp

Pace University:

- Systems Track Chair & Secretary, Information Systems Curriculum Committee
- Introduction to Computing Review Committee member
- Information Technology Curriculum Committee
- CSIS Faculty Council Nominations Committee & Bylaws Committee
- New Student Orientation - workshop facilitator
- Learning Communities course facilitator
- NY Faculty Council, Challenge to Achievement at Pace (CAP) Advisory Committee
- Advisory Board, Office of Multicultural Affairs, Shades: A Black & Latina Women's Collective

MEMBERSHIPS

- American Association for the Advancement of Science (AAAS); Association for Computing Machinery (ACM); National Collegiate Honors Council (NCHC); Northeast Regional Honors Council (NRHC); Association of Public Data Users (APDU); Delta Sigma Theta Sorority, Inc.; Iota Phi Lambda Sorority, Inc.; National Council of Negro Women, Inc.

OTHER EXPERIENCE

- Educational Consultant/After School Teacher, STEAM After School Program & Summer Camp; Coach, FIRST LEGO League Robotics Team - DIVAS (Digital Interactive Visual Arts & Sciences) for Social Justice (CBO) – Brooklyn & Queens, NY – Fall 2012-Spring 2016
- Part-Time Lecturer, Microsoft Office Applications, Adult/Continuing Education Courses, MIST Program @ SUNY Health Science Center - Brooklyn, NY - Summer 1999-Fall 2000
- Office Manager, Pace University, Ivan G. Seidenberg School of Computer Science and Information Systems – NYC - 1996-2000
- Legislative Assistant, NYC Council, Councilmember Mary Pinkett – NYC – 1988-1996