

# Davon Woodard

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## EDUCATION AND CERTIFICATIONS

- PhD – Virginia (Tech) Polytechnic Institute and State University, exp. 2021  
Planning, Governance and Globalization (Urban Planning), and  
Certificate - Urban Computing
- MS - DePaul University, Chicago, 2015  
Economics and Policy Analysis (Urban Economics and Business Strategy)
- MBA - DePaul University, Chicago, 2015  
Predictive Analytics
- Certificate - Stanford University, Graduate School of Business, 2004  
Strategy
- BS - Michigan State University, 2001  
Public Policy and Psychology

## PUBLICATIONS

### Edited Anthologies

- Black Feminisms, Deep Space and Syndemic Segregation in the United States and South Africa.  
In Baldwin, Reichelmann and Harrison, Standpoints: Black Feminist Knowledges. Virginia Tech Publishing,  
2020. Edited Anthology

### Peer-Reviewed Journal

- Ethics, Data Science and Health and Human Services: Embedded Bias in Policy Approaches to Teen  
Pregnancy Prevention, 2018. (*submitted*)

### In Process

- “Predicting 3-1-1 Service Requests using Dynamic Time Warping to Enhancing Municipal Resource  
Coordination and Service Delivery”
- “What Can We Learn from Afrofuturism?: Afrofuturism as a Site of Emancipatory Urban Planning Theory,  
Practice and Education”

## APPOINTMENTS, FELLOWSHIPS AND AWARDS

- Visiting Scholar - Centre for Urbanism and Built Environment Studies  
University of the Witwatersrand, Johannesburg, South Africa, 2019-2020
- National Science Foundation Trainee/Fellow - Discovery Analytics Center at Virginia Tech, 2017-2021
- Data Ethics Competition (2<sup>nd</sup> Place), Pamplin School of Business and Center for Business Intelligence and  
Analytics, 2018

## CONFERENCES, PRESENTATIONS AND POSTERS

- “Black Feminisms, Syndemic Racism, and the Politics of Recognition” Race, Ethnicity and Place Conf., 2020
- “Blockchain and the Smart(er) City: Benefits, Implications and Ramifications,” 2018
- “Building an Equitable Arlington County: Characteristics of Renter Households and Apartment Stock,” 2018
- “Roanoke Valley-Alleghany Region Worker Attractiveness,” 2018

## EXPERIENCES

### Teaching

Adjunct Professor, Jackson College, Jackson, MI, 2016-2017

- Instructor of Record for two sections of “Introduction to Microeconomics” (ECN 232)

### Graduate Research and Internship

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Graduate Fellow, Data Science for the Public Good–SDAL, Biocomplexity Institute at Virginia Tech, 2018

- Lead researcher for two data science teams addressing complex local community issues–renter housing equity and workforce/economic development.
- Created subcounty-level synthetic populations for 44 districts in the Roanoke Valley-Alleghany region using US Census and PUMS microdata to model variables of worker attractiveness and workforce engagement
- Created multivariable worker attractiveness composite indicators across four worker types in the RVAR
- Used principal component analysis to identify contributing factors to residential instability in Arlington Co.
- Managed four Virginia Tech undergraduate research students

Graduate Research Assistant, Global Forum on Urban and Regional Resilience at Virginia Tech, 2017-2019

- Analyzed municipal fiscal resilience and responsivity to external fiscal shocks (recessions) using standardized balance sheet data for 150 U.S. municipalities between 1977 and 2015
- Oversaw, planned and executed the 2018 Blacksburg Blockchain Symposium–the first Blockchain event in Appalachia connecting academic, industry and government thought-leaders in discussion of economic and sociopolitical impacts of new technology.

Advanced Analytics/Data Science Fellow, City of Chicago, Chicago, IL, 2015

- Created analytic model to identify retailers in City of Chicago potentially evading taxes on cigarette sales
- Coordinated field A/B testing with user department to evaluate model significance and effectiveness
- Performed scoping literature review on tax avoidance/evasion and impacts on local/regional economy
- Supported trainings for department leads in leveraging advanced data analytics in core missions

Client Executive Intern, IBM, Dallas, TX, 2014

- Created analytics dashboards for regional vice-president and senior leadership
- Performed economic growth analysis to identify 2015 IBM strategic priorities for the State of New Mexico
- Revised multiyear Business Unity Strategic and Revenue Growth Plans
- Supported relationship management for mid-market clients in Texas and New Mexico region

Finance Graduate Research Assistant, DePaul University, Chicago, IL, 2014-2015

- Researched relationships between banking institutions, regulatory agencies, and overall NYSE performance
- Analyzed financial health, performance and sustainability of institution-specific and state-level financial services industry

## Professional

Development Officer, City of Evanston–Office of the City Manager, Evanston, IL 2010-2012

- Lead manager for strategic corporate, foundation, nonprofit and community partnerships
- Implemented three pioneering Council directed community engagement initiatives
- Launched and administratively supported two independent nonprofit organizations and advisory boards in support of City programs and missions
- Oversaw implementation of *Volunteer Evanston*, an innovative web portal to increase resident engagement with the City and 60 local nonprofits
- Developed first policies and guidelines for sponsorships, resource development, and volunteer engagement

Director, Corporate, Foundation and Government Relations, Center on Halsted, Chicago, IL 2009-2010

- Managed relationships with 200 multilevel corporate, foundation and government partners
- Secured 52% of annual operating budget–achieving 114% of projected fiscal goals
- Led research and qualification of new program and initiative partners–increasing operating revenue 10%

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- Led internal interdepartmental team and external consultants in organizational rebranding campaign

Development Coordinator, Chicago Park District, Chicago, IL 2006-2008

- Served as in-house resource development consultant to 280 community-based Park Advisory Councils crafting customized fundraising strategies
- Served as liaison to Chicago Park District nonprofit partner, Parkways Foundation, on fundraising campaigns and special initiatives

Development Director, Dance Institute of Washington, Washington DC, 2004-2005

- Lead fundraising campaigns securing over \$3 million in annual funds, and \$4 million for capital campaign
- Created and implemented multichannel marketing and visibility campaign, including an inventive \$180,000 media partnership with regional transportation partner—tripling exposure to target audiences
- Manage relationships with 150-200 individual and institutional supporters

Development Assistant, PFLAG-National, Washington, DC, 2002-2004

- Lead revitalization and rollout of monthly donor program securing \$180,000 in first year
- Managed database of 500,000 national households and updated data entry protocols

## Consulting

- City of Kalamazoo/Sisters in Business, “Assessment of Municipal Resource Impact on Sustainability of Black-Owned Businesses in Kalamazoo, MI,” 2020
- Feeding America/Walmart, “Nationwide Food Bank and Agency Capacity Analysis,” 2017
- Campbell & Co., “Regional, Mid-Size Theater Major Donor Expansion Analytics,” 2016

## **SERVICE**

### University

- Graduate Student-at-large, University Council on Equal Opportunity and Diversity, Virginia Tech, 2019-2020
- CEO Representative, University Council, Virginia Tech, 2019-2020

### Professional and Community

- Facilitator, *Big Data and the 21<sup>st</sup> Century*, Panel Discussion, Reaching OUT MBA Conference, 2014
- Facilitator, *Corporate Strategy*, Interactive Session, Reaching OUT MBA Conference, 2013
- Michigan State University- LGBT Alumni Board, Board Member, 2008-2011
- Dog and Pony Theater Company, Board Member, 2009-2011
- Doar Public Charter School for the Performing Arts, Board Member, 2004-2005
- Chair, LGBT Outreach Committee, 40th Anniversary March on Washington, 2003
- Chair, LGBT Communications Committee, 40th Anniversary March on Washington, 2003