

Ayanda M. Masilela

Doctoral Candidate, Research Consultant

ayandm@uw.edu

<http://www.linkedin.com/in/ayanda-masilela-0029112b>

<https://students.washington.edu/ayandm/aya>

A love of research and writing have driven my career path. My time in academia has afforded extensive opportunities to work in a variety of technical platforms, especially desktop and web-based GIS suites. Research design, field data collection, and cross-platform data integration have featured extensively in the execution of these projects. Deploying these tools in on-the-ground, industry-based work is the next developmental phase of furthering my professional ambitions.

Core Competencies

- GIS: ArcGIS, QGIS, and Web Services
- Quantitative Research Methods
- Qualitative Research Methods
- Data Curation and Entry
- Research Design
- Location-Based Data Collection

Experience

JANUARY 2018 – PRESENT

Consultant / UW CSSCR: Seattle, WA

Assisting faculty and students in research design and the utilization of software packages including ArcGIS, QGIS, SPSS, Tableau, MS Office, Tableau, Stata, and Google Cloud Services

SUMMER 2016, MARCH 2018 – FEBRUARY 2019

Research Assistant / UW Dept. of Geography: Seattle, WA

Database development and geocoding using raw historical data and US Census TIGER/Line data using QGIS, Open Street Map Services, and Google Cloud Services.

SEPTEMBER 2015 – MARCH 2018

Teaching Assistant / UW Dept. of Geography: Seattle, WA

Aid in the execution of undergraduate courses, including *Geographic Information Systems Workshop*, *Intro to GIS*, *GIS and Spatial Analysis*, *Digital Geographies*, and *Geography of Cities*

Education

SEPTEMBER 2014 - PRESENT

Doctoral Candidate / University of Washington Dept. of Geography: Seattle, WA

- One year of consulting experience in GIS, quantitative, and qualitative analysis
- Two years of teaching experience centering GIS, spatial analysis, and web-based geographic services

AUGUST 2012 - AUGUST 2014

Master of Science / Virginia Tech Dept. of Geography: Blacksburg, VA

- MS Thesis: Spatial analysis investigating maternal and infant health outcomes in the Northern Plains
- Summa Cum Laude

AUGUST 2006 - DECEMBER 2010

Bachelor of Arts / Indiana University of Pennsylvania Dept. of Geography: Indiana, PA

- Magna Cum Laude: GIS and Cartography Concentration, Asian Studies Double-Major
- Study Abroad at Nagoya Gakuin University in Nagoya, Japan / March – July 2009