

## AMIN YAKUBU

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<https://aminyakubu.github.io/>

## EDUCATION

Columbia University Mailman School of Public Health, New York, NY      September 2017 - May, 2019

**Master of Public Health (MPH) Overall GPA: 4.0/4.0**

Concentration: *Epidemiology*

Certificate: *Advanced Epidemiology*

Honors: *Heilbrunn Scholar*

I.M. Sechenov First Moscow State Medical University, Moscow, Russia      September 2011- July 2017

**Doctor of Medicine (MD) Overall GPA: 4.0/4.0**

## SKILLS

- **Computer skills:** Proficient in SAS, SQL, R, Microsoft Office (Word, Excel, PowerPoint, Access)
- **Language skills:** Russian (Fluent)

## CERTIFICATIONS

- SAS Certified Base Programmer for SAS 9 (*Verification number: B431ETW12MBQQEKV*)
- HIPAA Privacy
- CITI Program (Human Research)
- Good Clinical Practices Certification

## EXPERIENCE

Data Science I, Team Leader

**October, 2018 – December, 2018**

Instructor: Jeff Goldsmith, Assistant Professor of Biostatistics, Columbia University

- Led a team of 4 to transform a 1.8 GB of real-world dataset of reported incident crimes to the NYPD from 2014 to 2017 into meaningful analysis and undertook most of the responsibility for coding in R
- Created an interactive visualization by using Shiny, flex dashboard and presented results by making a dedicated website. Website can be found: <https://aminyakubu.github.io/nyc-crime>

## Graduate Teaching Assistant

Columbia University Mailman School of Public Health

### 1. Application of Epidemiological Methods (SAS programming)      January, 2018 – May, 2018

- Collaborate with professor and teaching assistants to execute curriculum on statistical analysis using SAS.
- Conduct practical lab sessions and provided guidance to students on statistical data analysis in SAS

### 2. Determinants of Health

**September, 2018 – December, 2018**

- Hold office hours to assist student with course content
- Pre-test and proctor assessments
- Maintain communication with Studio Lead Teaching Assistants, Studio Faculty, OEP, and students
- Implement a code of confidentiality when overseeing sensitive academic content

## Graduate Intern - Human Research Training Program

**September 2018 – October 2018**

New York City Department of Health and Mental Hygiene (NYCDOHMH)

Bureau of Chronic Disease Prevention and Tobacco Control

Healthy Living by Design

- Conducted intercept surveys and observational studies at assigned sites prior to, and following project implementation
- Compiled and organized data and observations into an electronic database
- Assisted in data analysis and drafting of reports as needed

**Graduate Research Fellow – Data science****May 2018 – August 2018**

Global Healthy Living Foundation, New York, NY

- Conducted analysis of data from various research for publications, and patient-reported outcome data to support advocacy efforts and comparative effectiveness studies using SAS
- Used statistical techniques for hypothesis testing to validate data and interpretations
- Social media (Facebook & Twitter) data mining/scraping using Python for qualitative analysis (Sentiment analysis, word cloud)
- Successfully analyzed and interpreted web traffic (painspot.com) data using data visualization and dashboards to draw conclusions for managerial data intelligence and strategy using SAS, SQL and R.
- Designed scalable dataflows and ETL (Extract, Transform, Load) logic for data collection and management
- Maintained study datasets, authored codebooks, and managed data distribution to researchers

**Graduate Research Assistant****February, 2017 - Present**

Database Shared Resource, Herbert Irving Comprehensive Cancer Center, Columbia University Medical Center, New York, NY

- Statistician and programmer for 2 studies using EHR, clinical and claims data
- Medical data entry of pancreatic cancer patients into Collaborative Islet Transplant Registry (CITR)
- Entry of adverse events associated Autologous Islet Cell Transplant procedure
- Literature review of topics of research interest

**Medical Assistant****August, 2016 - June, 2017**

MPC Social Services, Moscow, Russia

*MPC Social Services is an American charity organization, which aids Russian pensioners, single mothers, immigrants, and refugees. Assistance includes food, medical consultation, clothing, shelter, language education etc.*

- Managed patients by taking history and vitals for diagnosis
- Counseling and educating patients on healthy lifestyles and medications to improve their health and general wellbeing
- Ensuring the place is ready to receive patients for treatment and consultation

**LEADERSHIP EXPERIENCE****National President****May, 2015 - May 2016**

National Union of Ghana Students, (NUGS) Russia.

*NUGS Russia is a non-political student organization recognized by the Government of Ghana as the official body representing students studying in the Russian Federation.*

- Liaised with the Embassy of the Republic of Ghana in Moscow to promote the wellbeing of all Students in Russian Federation.
- Established NUGS Welfare Fund, which provides financial assistance to students
- Organized an international debate competition which the winner received 750\$ and all-paid seminar from Foundation of Economic Education (FEE) in the United States.
- Established a comprehensive database for all Ghanaian students in Russia.
- Coordinated with NUGS Ghana to influence public policy affecting students in Russia.

**ENTREPRENEURSHIP****Founder, MedApp - 2014 - Present**

*Apple and Android Mobile App for students of First Moscow State Medical University*

*The App contains about 20,000 questions in Biology, Anatomy, Pharmacology, Microbiology, Pathological anatomy, Neurology, Pathophysiology, Infectious diseases, Ophthalmology, Topographical anatomy & operative surgery.*

**AWARDS & HONORS**

- 3<sup>rd</sup> place Best Biology Student 2009
- NUGS Debate (Semi-Finalist)
- Rector's Award 2015

**CONFERENCE PARTICIPATION & PRESENTATIONS**

**Cambridge University International Model United Nations**

Cambridge, UK. 4<sup>th</sup> – 6<sup>th</sup> November 2016

World Health Organization

Representative of Germany

**The European International Model United Nations**

The Hague, Netherlands. 10<sup>th</sup> – 18<sup>th</sup> July 2016.

Human Rights Council

Representative of the Russian Federation