

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 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

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

CONFERENCE PARTICIPATION & PRESENTATIONS

Cambridge University International Model United Nations

Cambridge, UK. 4th – 6th November 2016

World Health Organization

Representative of Germany

The European International Model United Nations

The Hague, Netherlands. 10th – 18th July 2016.

Human Rights Council

Representative of the Russian Federation