

# BASHIR AMINU BELLO

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## EDUCATION

### University of Rochester

Master of Science in Healthcare Data Science and Artificial Intelligence

Coursework: Ethical Computing, Machine Learning for Healthcare

Research: Genetic Risk Prediction with Supervised Learning Algorithms (2025–Present)

Rochester, New York

Expected May 2027 GPA: 4.0

### University of Alberta

Bachelor of Science in Biological Sciences and Computer Science

Learning — Co-Founder, Black Youth for Social Innovation

Research: Genetic Risk Prediction (2022), Sickle-Cell Trait Analysis (2025)

Edmonton, Alberta

Conferred November 2025 Certificate in International

## ACADEMIC HONORS, SCHOLARSHIPS & AWARDS

Honor/Award	Date
Social Sciences & Humanities Research Council Undergraduate Student Research Award (\$10,000)	May 2024
Ujima Fellowship in Leadership & Diversity (\$500) — Africa Centre & NAIT	Jan 2024
Alexander Rutherford High School Achievement Scholarship (\$2,500) — University of Alberta	2020
Rutherford Academic Scholarship (\$3,000) — Government of Alberta	2020
TEMPO School Academic Scholarship (Honors) (\$1,500) — TEMPO School	2017–2020
MVP, Duggan Mother's Day Tournament — TRSA Edmonton	May 2019
Top Goal Scorer, EMSA Division 1 — Edmonton Minor Soccer Association	Aug 2018
MVP, TFSA All-Star Tournament — Edmonton Soccer Association	Jul 2018

## PUBLICATIONS

Bello, B., Bulut, O., & McCabe, E. (2025). An examination of the validity of the Pediatric Quality of Life Inventory in child and adolescent mental health. *Invited for submission to Quality of Life Research* (Springer Nature).

Ballos, A., Bello, B., & Wesley, J. (2024, October 28). The Dangerous Americanization of Alberta Democracy. *The Tye*. Cited by two Alberta MLAs in policy discussions.

## EMPLOYMENT & PROFESSIONAL EXPERIENCE

### Research & Policy

#### Research Assistant — Pediatric Quality of Life

February 2025 – August 2025

Faculty of Rehabilitation Medicine, University of Alberta

Edmonton, Alberta Part-time (25–30 hrs/week)

- **PedsQL Measurement Invariance Project:** Conducted differential item functioning (DIF) and confirmatory factor analysis (CFA) using R (lavaan) on mental health data from 429 youth; validated psychometric properties across demographic groups for clinical policy application
- Co-authored manuscript invited for submission to *Quality of Life Research* (Springer Nature)
- Presented findings at Women and Children's Health Research Institute (WCHRI) conference to interdisciplinary clinical audience

#### Data Analysis Assistant

March 2024 – September 2024

Common Ground Lab, Department of Political Science, University of Alberta Edmonton, Alberta Part-time (25–30 hrs/week)

- Co-facilitated twelve rural and urban civic consultations across Alberta; conducted NVivo-based thematic analysis
- Co-authored policy brief published in *The Tye*, cited by two Alberta MLAs in legislative discussions
- Presented findings at public town halls, facilitating policy co-creation and community voice

#### Lab Technician Assistant

August 2021 – December 2021

Department of Biochemistry, University of Alberta

Edmonton, Alberta Part-time (5–10 hrs/week)

- Analyzed protein structure via electron microscopy under Dr. Gaddafi Dan Maliki
- Managed laboratory safety protocols and hazardous materials handling

## Community Health & Equity

### Civic Engagement Facilitator — ASPIRE Project

May 2025 – Present

*Partners for Humanity Foundation*

*Edmonton, Alberta Contract Position (25–30 hrs/week)*

- Co-led civic consultation with Mayor Andrew Knack at multi-municipal Mayors' Roundtable on anti-racism policy
- **ASPIRE Briefings:** Prepared briefing materials for City of Edmonton-funded initiative (\$40,000 Anti-Racism Grant)
- **Policy Output:** Authored "Digital Leapfrog for Health in Nigeria"—synthesizing real-time discussion into actionable policy insights on digital health governance

### Project Coordinator, Assessment, Research, and Advocacy

March 2025 – August 2025

*Institute of African Advancement*

*Edmonton, Alberta Full-time Summer (35–40 hrs/week)*

- Led Racialized Newcomers & Post-Migration Experiences (RNPE) study on racism as health determinant; authored twenty-five-page literature review
- **EYE Initiative Curriculum:** Designed and delivered twelve-week employability program resulting in 34% increase in participant confidence; authored complete professional development curriculum for racialized youth
- Facilitated bilingual (EN/HA) workshops; developed bilingual (EN/FR) workshop materials and conducted stakeholder interviews

### Digital Skills Instructor

October 2025 – December 2025

*Africa Centre*

*Edmonton, Alberta Part-time (15–20 hrs/week)*

- Delivered bilingual digital literacy training to immigrant and refugee seniors
- Designed visual-first curriculum on WhatsApp, Google Maps, and technology safety basics

### Program Lead — Recruitment Strategy

May 2024 – Present

*Black Youth for Social Innovation (BYSI), University of Alberta*

*Edmonton, Alberta Part-time (10–15 hrs/week)*

- Co-designed placement and mentorship pipeline for program's founding cohort
- Shaped equity policy framework with lasting institutional impact; represented BYSI at university and civic events

### Session Facilitator

February 2024

*Pan-African Symposium, University of Alberta*

*Edmonton, Alberta Contract (20 hrs over 3 days)*

- Facilitated symposium sessions on healthcare disparities and policy solutions in African contexts
- Coordinated with speakers on global health disparities, genetic diseases, and malaria
- Documented and synthesized complex dialogues into actionable policy insights

### Team Lead

March 2023 – July 2023

*Winifred Stewart Association*

*Edmonton, Alberta Full-time (35–40 hrs/week)*

- Mobilized forty neighborhood canvassers advocating for disability-inclusive municipal policies
- Secured accessibility commitments from 125+ Edmonton businesses and community organizations

### Intern Ornithologist

May 2022 – July 2022

*Beaverhill Bird Observatory*

*Tofield, Alberta ELITE Program for Black Youth; Full-time Summer In-House (40 hrs/week)*

- Conducted ecological fieldwork on avian populations, contributing to provincial conservation data; lived in-house at Beaverhill Bird Observatory
- Led public programming connecting biodiversity with environmental justice frameworks
- Captured, banded, and analyzed birds as part of ongoing habitat research protocols

## Service & Operations

### Delivery Associate

May 2023 – August 2023

*Ordr at Edmonton Riverhawks Stadium*

*Edmonton, Alberta Seasonal Part-time (10–15 hrs/week)*

- Ensured quick, accurate delivery of concession orders in high-volume baseball stadium environment
- Orchestrated integrated food delivery operations; navigated crowds of 5,000+ attendees with precision

### Customer Fulfillment Associate

November 2021 – June 2022

*Walmart, Windermere Location*

*Edmonton, Alberta Part-time (25–30 hrs/week)*

- Delivered excellent customer service in high-volume retail environment, addressing concerns and processing refunds
- Assisted customers with item dispensing and organized back-end product stock

### Appetizer Line Cook

November 2021 – November 2022

*Earls Restaurant, Campus Location*

*Edmonton, Alberta Part-time (25–30 hrs/week)*

- Cooperated with team of twelve in production and distribution of restaurant dishes in fast-casual dining environment
- Maintained sanitary kitchen environments per health code standards; executed food production under company protocols

## EXTRA-CURRICULAR & COMMUNITY ACTIVITIES

### Self-Initiated Projects

**Founder & System Architect — NaijaCare Telehealth Prototype** June 2024 – Present  
*WhatsApp-Based, 2G-Compatible Telehealth Network Sokoto, Nigeria / Edmonton, Alberta Volunteer/Entrepreneurial (10 hrs/week)*

- Developed WhatsApp-based, 2G-compatible telehealth system connecting rural clinics in Sokoto to specialists in Lagos
- Engaged with health officials (Dr. Fatima Bunza, TIKO Nigeria) on legal constraints to digital diagnosis and cross-border care
- Identified gaps in Nigerian privacy law and cross-border care legislation as core barriers to digital health rollout

### University Leadership

**Vice President Internal** September 2025 – December 2025  
*Men's Health Group, University of Alberta Edmonton, Alberta Volunteer Leadership (8–10 hrs/week)*

- Co-led campus programming addressing stigma and men's mental health through events such as "Let Him Cook" culinary therapy series
- Managed internal communications and executive team coordination for fifteen-member organization

**External Director** November 2024 – March 2025  
*Project Management Students Association, University of Alberta Edmonton, Alberta Volunteer Leadership (6–8 hrs/week)*

- Represented student body in external stakeholder engagements with industry professionals
- Coordinated corporate sponsorships and guest speaker series for professional development events

**Secretary** March 2024 – May 2025  
*Toastmasters Campus Chapter, University of Alberta Edmonton, Alberta Volunteer Executive (5–6 hrs/week)*

- Managed chapter records, meeting minutes, and membership documentation for thirty-member organization
- Coordinated speech schedules and educational program tracking for competency development

**Assistant Coach — Overwatch** September 2021 – November 2023  
*Esports Association, University of Alberta Edmonton, Alberta Volunteer (10–12 hrs/week during competitive seasons)*

- Coached competitive Overwatch teams in strategic development and team coordination
- Mentored twenty student athletes in tournament preparation and sportsmanship

### Community & Athletic Participation

**Vice Coordinator** November 2018 – June 2019  
*Jack.ORG Foundation Edmonton, Alberta Volunteer Leadership (4–5 hrs/week)*

- Led planning for online fundraisers and school events for mental health awareness and stigma reduction
- Served as communication lead coordinating messages to 500+ student body

**Summer Religious Counsellor** June 2015 – August 2020  
*Markaz ul Islam Edmonton, Alberta Volunteer (15–20 hrs/week during summer)*

- Provided mentorship and spiritual guidance to youth participants in summer religious education programs
- Facilitated group discussions and activities promoting community engagement and personal development

**Volunteer Caretaker** June 2018 – August 2018  
*The Good Samaritan Society, Millwoods Location Edmonton, Alberta Volunteer (5–10 hrs/week)*

- Adapted approach to different resident personalities and moods to ensure individualized care for fifteen seniors
- Socialized and entertained residents with guided walks, board games, and volunteer talent shows

**Competitive Soccer Player — TRSA Division 1** September 2017 – August 2020  
*Terwillegar Riverbend Soccer Association Edmonton, Alberta Team Member (8–12 hrs/week)*

- Maintained a ten-hour-per-week training schedule while competing at Division 1 level; demonstrated leadership through team coordination and on-field decision-making
- Competed in fifteen matches annually under high-pressure competitive environments

## SKILLS & COMPETENCIES

**Technical Tools:** R (lavaan, semTools), Python (scikit-learn), NVivo, SPSS, jMetrik

**Analytical Competencies:** Psychometric testing, policy and program evaluation, qualitative research, systems design under constraint, genetic risk modeling

**Professional Strengths:** Academic writing, public speaking, facilitation, coalition-building, cross-cultural communication

**Languages:** English (fluent), Hausa (native), Arabic (intermediate)

### **INTERESTS**

Trail-running, Afrooptimist Substack blogger, competitive strategy gaming, fantasy books, antique map collecting, live jazz