

Emmanuel Darkwa

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EDUCATION

University of Illinois at Urbana-Champaign

May 2026

B.S. in Information Science

MINORS: Computer Science, Health Technology, Cybersecurity

TECHNICAL SKILLS

Languages: Python, SQL, C++, Java

Tools: Power BI, DAX, Pandas, NumPy, Git, Figma, Linux

Core Skills: Data Analysis, Machine Learning, Backend Development, AI Integration, Prompt Engineering, Agile Methodologies, Product Strategy, Cybersecurity Fundamentals, Communication & Stakeholder Engagement

Certifications: SAFe POPM; In Progress — Security+, AWS Cloud Practitioner

Research: Artificial Intelligence (LLM, ML, DL), Mental Health application, NLP, Digital Forensics

RELEVANT EXPERIENCE

Publicis Sapient — Product Management Intern

Jun 2025 – Aug 2025 | Chicago, IL

- Developed AI-powered product features integrating LLMs to enhance user experience, increasing projected customer value by 50%.
- Delivered three prototypes in eight weeks by coordinating with engineers, designers, and stakeholders using agile methodologies.
- Earned SAFe POPM certification and applied agile frameworks to backlog prioritization, sprint planning, and stakeholder communication.
- Presented strategy, roadmap, and prototypes to senior leadership, securing alignment for MVP phases.

Division of Intercollegiate Athletics — Data Analyst Intern

Oct 2025 – Present | Champaign, IL

- Leverage Power BI, Python, Git, SQL, and DAX to transform raw operational data into actionable dashboards supporting athletics strategy and administrative decision-making.
- Analyze large, complex datasets to identify trends, performance gaps, and optimization opportunities across multiple business units.
- Build interactive reporting tools that improve clarity, accessibility, storytelling for leadership and technical teams.
- Collaborate directly with unit directors to define KPIs and streamline data workflows.

NASA Space Apps Chicago — Backend Engineer

Oct 2025 | Chicago, IL

- Designed backend architecture for The Urban Planning Initiative, a data-driven tool helping city planners identify environmental and socioeconomic patterns across Chicago.
- Built API endpoints, data processing pipelines, and AI-powered insight modules to support real-time analysis of population density, air quality, income levels, and weather.
- Integrated geospatial and statistical datasets to strengthen the platform's community health recommendations.
- Collaborated in a multidisciplinary team, contributing to ideation, pitching, and technical execution.

LEADERSHIP EXPERIENCE

HEALTH ANALYTICS SOCIETY – Tech Lead

- Led technical direction for health data projects, supporting workshops on predictive analytics, biomedical visualization, and public health datasets.
- Guided members in applying data science tools to real healthcare challenges.

BUILT / NSBE / MOUNT ZION MINISTRY– Leadership

- Active Member / Mentor / External Committee / Volunteer & Technician