

OTIENO FRANKLIN OMULLO

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EDUCATION

CORNELL UNIVERSITY Ithaca, NY
Computer and Information Science | Applied Economics and Management

Aug '17- May '21

PROFESSIONAL EXPERIENCE

CORNELL INFORMATION TECHNOLOGY

June - August 2019

Software Engineering Intern- Enterprise Apps Data Analytics

I interned with the department of Data Infrastructure and Business Intelligence supporting data integration, business intelligence and cloudification. Built a data integration platform on Funddriver using Dell Boomi for Cornell's \$7.2B endowment investments. I also built a database dashboard to manage Vet College's Utilities spending using SQL models, OBIEE and Tableau. I also helped analyze campus networks and generate alerts to improve efficiency of cybersecurity threats using Zeek, Waterslide and Network sniffer Software.

UBER San Francisco

April- Dec 2019

Software Engineering Intern- Uber Career Prep Fellow

Was a Career Prep fellow for the Uber Career Prep Program.

EQUITY BANK LIMITED- CORPORATE BANKING Nairobi, Kenya

Jan-Aug 2017

Corporate Banker, Cash and Liquidity Management

- Managed and helped maintain the bank's online system for the Corporate and SME, did an End-of-Day reconciliation of huge transactions like Swift, RTGS and Inter-Bank transfers and tested new functionalities before deployment

UNIVERSITY WORK

Dec '18-present

Student System Admin, Cornell Information Technologies- arXiv

I provide systems and administrative support for the platform. My roles include overseeing deployment of new systems, including system testing and response to user feedback, provide input based on my daily operations experience to the arXiv application development team.

SPACE SYSTEMS DESIGN STUDIO

September '19 - Present

Software and Electrical Systems Engineer

Designing control software and rigorous tests for the Lunar CubeSat: CisLunar Explorers project, which will launch two CubeSat satellites fly as a secondary payload on NASA's Artemis 1 mission with the purpose of having them autonomously dock to each other in space. We are seeking to demonstrate the use of water electrolysis for space propulsion and our novel optical navigation system to determine our position in space aboard the spacecraft. I am working primarily on the optical navigation subsystem.

March '20 - Present

Research Assistant(Data Replication)- Labor Dynamics Institute

Access pre-publication materials from American Economic Association Journals and validate data replicability before being accepted by the journal. I review and edit code provided by the authors, and document findings in the replication process

CORNELL COVID TESTING LAB Ithaca NY

July - Present

covid.cornell.edu

Covid Surveillance Testing Intake Assistant

Part of the team assisting with surveillance testing on Ithaca campus. Roles include registration and Anterior Nares Collection, PCR Setup, running 7500 and extracting and purifying samples on Kingfisher

ACTIVITIES AND LEADERSHIP

- Resident Assistant: Risley Residential College, National Society of Black Engineers, College Counselling Mentor for Mastercard, Co-Founder: Mshauri Trust Foundation, 7th year as Delegate for Model United Nations

HONORS AND AWARDS

- Learning and Strategies Center Scholarship, Make-Harvard hackathon(runner-up), Big Red Hacks, IBM Call-for-Code(runner-up),

Github Student Developer, Top Student Nationally, Kenya National Examinations Council, class of 2015, Dean's Lists.

SKILLS AND INTERESTS

Skills: Proficient in C++, C, Java, Python, Matlab, MySQL, STATA, R, OBIEE, Tableau, Boomi Certified, AWS, GCP, Ocaml, Bloomberg, @Risk, Machine Learning and AI, Javascript, Angular, React, Typescript, Figma, OpenCV, AutoCAD, Machining

Interests: Volunteering, Environmental Conservation, Rugby, Classical music, Memes

Languages: English, Swahili, French, Luo, Gikuyu, German