LINDA NDUHIU

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EDUCATION

CORNELL UNIVERSITY ITHACA, NY

Bachelor of Arts, Computer Science *MAY, '22*

- **GPA:** 3.65/4.0
- **Relevant Coursework:** OOP & Data Structures, Computer System Organization & Programming, Discrete Structures, Server-Side Web Dev., Linear Algebra
- **Technical Skills and Technologies:** Python, Java, HTML, CSS, JavaScript, PHP, C, SQL, RISCV, Logisim

PROJECTS

Malloc
- Implemented a thread-safe dynamic memory allocation library that supported the allocation, freeing, & resizing of blocks of memory using C & inline assembly. Wrote rigorous test cases to break incorrect implementations of malloc, avoiding common mistakes like memory leaks

Scram
- Adopted Dijkstra's shortest path algorithm and Heaps to optimize a game score by picking up max gold coins in a maze with using the shortest path to the exit

Image Gallery
- Developed an interactive image gallery with a multi-table database, allowing users to log in & out, upload images & their respective tags, edit existing images, & delete images, while protecting against SQL injection

EXPERIENCE

PRE-SOPHOMORE SUMMER PROGRAM IN COMPUTER SCIENCE REMOTE

Teaching Assistant, Computer System Organization and Programming *MAY '20 – JUN '20*
- Coordinated labs and office hours, and mentored 30 prospective CS majors from underrepresented backgrounds
- Taught Introduction to Gates and Logic, State & FSMs, building of circuits in Logisim, and coding in C

CORNELL COURSE MANAGEMENT SYSTEM X (CMS-X) ITHACA, NY

Front-end Engineer *FEB, '20 – PRESENT*
- Developing a new version of system to accommodate more courses, improve user interface and experience. Current version supports over 100 courses and ~8000 students
- Designing front-end components of the student interface, while ensuring ADA compliance is maintained

GOOGLE CS RESEARCH MENTORSHIP PROGRAM 2019 (CSRMP) REMOTE

Mentee *SEP, '19 – PRESENT*
- Receive mentorship from Google research scientists in conducting research
- Review academic and career goals with Google advisors
- Network and collaborate with other students in the CSRMP 2019-2020 class

EQUITY BANK LIMITED NAIROBI, KE

Corporate Banking Intern *FEB, '18 – AUG, '18*
- Transitioned and trained 90% of the branch's corporate employers on the online salary system (Eazzy Remittance)
- Acquired and trained corporate clients on the corporate online banking platform, increasing onboarding by 60% and boosted the branch's profits from the annual subscription and transaction fees

LEADERSHIP & ACTIVITIES

SCHOLARS IN OUR SOCIETY AND AFRICA – CORNELL (SOSA) ITHACA, NY

Vice President of External Logistics *JAN, '20 – PRESENT*
- Foresee communication between SOSA branches in the US, Cornell faculty, and partner international organizations

EQUITY GLOBAL SCHOLARS (EGS) ITHACA, NY

Director of Operations *NOV, '19 – PRESENT*
- Create & send monthly newsletters to ~500 Kenyan students studying abroad highlighting opportunities and news
- Design UI/UX for scholars' app for networking and interacting, using Figma

UNDERREPRESENTED MINORITIES IN COMPUTING (URMC) ITHACA, NY

Member