

## + employment

**Oracle Corp** Redwood City, CA  
Software Engineer July 2021 to Current

Full stack software engineer with the Oracle Cloud Infrastructure team

**Uber** San Francisco, CA  
Software Engineering Intern, Uber ATG Apr. 2019 to Dec. 2019  
Software Engineering Intern at Uber as part of the Uber Career Prep Bootcamp program

**Cornell University** Ithaca NY  
Software Engineering Intern - Enterprise Apps Data Analytics June 2019 to Aug. 2019

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.

**Student System Admin, Cornell Information Technologies- arXiv** Ithaca NY  
Dec. 2018 to June 2021

I provided 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.

**Research Assistant(Data Replication)- Labor Dynamics Institute** Ithaca NY  
Mar. 2020 to May 2021

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

**Covid Surveillance Testing Intake Assistant- Cornell Covid Testing Lab** Ithaca NY  
July 2020 to May 2021

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

**Equity Bank** Nairobi, Kenya  
Corporate Banker, Cash and Liquidity Management Jan. 2017 to Aug. 2017

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

## + awards

Dean's List

## + activities

Cornell University · Resident Assistant

Mshauri Trust Foundation

National Society of Black Engineers

## + volunteering

MODEL UNITED NATIONS · Delegate

Mastercard Foundation

## + education

**Cornell University** Aug. 2017 to May 2021

## + projects

**Water Electrolysis for Propulsion of a Crewed Mars Mission.** Sept. 2019 to June 2021

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.

**Conversational AI Researcher - Designing AI Group @Cornell** Aug. 2020 to May 2021

My team designed a range of high-consequence AI applications: from decision support systems for life-and-death healthcare decisions (e.g. artificial heart implant recipient selection, cancer diagnoses), to text generation as writing assistants, to voice-based AI systems for blind users, to autonomous cars

## + skills

### COMPUTER PROGRAMMING

C++  
Java  
Python  
SQL  
Ocaml  
Javascript  
AWS  
Azure  
OCI  
Docker  
Oracle APEX  
Machine Learning  
NLP  
R

### LANGUAGES

English  
French  
German  
Swahili  
Dholuo  
Maasai  
Gikuyu