

ROBERTO BERWA

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EDUCATION

Massachusetts Institute of Technology Cambridge, MA
Candidate for BSc. Computer Science, Economics, and Data Science, GPA: 4.5/5.0 June 2022
Relevant Courses: Fundamentals to programming, Calculus, Intro to statistical analysis in economics, microeconomics

EXPERIENCE

Lookit/MIT Cambridge, MA
Software Developer Intern June 2019 - Present

- Managing open source contributors to create an online research platform “Lookit” which allows families all over the world to participate in cognitive development scientific research
- Used Python to build automatic tasks for fast local development setup to increase contributors
- Created detailed documentation with UML diagrams for Lookit’s infrastructure

IREMBO (a one-stop portal for e-Government services) Kigali, Rwanda
Data Analyst Intern January 2019

- Investigated reasons for Irembo’s reported reputation loss due to company agent behaviors
- Concluded from statistical analysis on sales dataset a correlation between agents’ behaviors and the amount of activity in their location
- Developed an optimal mathematical model that Irembo consulted in designing a new agent distribution system

CODE4GOOD Cambridge, M.A
Consultant Sept 2018 - Dec 2018

- Investigated the most efficient and cost-effective way to manage funds of a small non-profit in Cambridge
- Developed a system of Google forms and sheets powered by automatic scripts to ease daily accounting

LEADERSHIP

Taking Back Education Cambridge, M.A
Co-Lead Feb 2019- Present

- Collaborated with a team of MIT & Harvard Students, MIT faculty, and NECT staff to launch an education project to support orphaned children affected by the Boko Haram conflict in Nigeria
- Built low-power, single board classroom servers with educational and rehabilitation resources for 500 pupils
- Created Brave Starter Fund with a mission to empower innovative students
- Secured \$10,000 through Davis Projects for Peace

African Students Association (ASA) & MIT Africa Cambridge, M.A
ASA ambassador to MIT Africa March 2019- Present

- ASA liaison in MIT AFRICA representing undergraduate students interests; sharing internship opportunities, organization of cultural events

Tike Ltd Kigali, Rwanda
CEO & Developer Feb 2017 – Aug 2018

- Secured initial investment and working capital for 1.5 years
- Developed an online ticketing platform comprised of a website and a web app; the first of this type in Rwanda
- Secured strategic deals with entertainment companies; with value of more than RWF 1 million/ contract
- Recruited for development and business team; hired 15 full-time and part-time employees

SKILLS

- Software Development: Git, Linux, Django, Apache, Ember, Kaggle, GCP, Docker, Celery, UML, and Kubernetes
- Data analytics: Python, Kaggle, pandas, matplotlib, Seaborn, NumPy

AWARDS & HONORS

Priscilla King Gray Fellow, 2019, Davis Projects for Peace Fellow, 2019