DAVID MBERINGABO

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EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA, U.S.A.	**Sept. 2016 - Present**
College of Computer and Information Science,	Expected Graduation May 2020

Candidate for a bachelor's degree in Combined Computer Science & Business Administration with a Concentration in Finance.

Related Courses: Software Development, Networks and Distributed Systems, Algorithms and Data, Object Oriented Design, Database Design, FinTech: Financial Innovation, Cyberlaw, Financial Data Analysis with Python, Business Statistics, Investments, Corporate Finance, Organizational Behavior.

COMPUTER KNOWLEDGE & SKILLS

Computer Languages: Java, DrRacket/Lisp, Structured Text (ST), MySQL, C/C++, C with Classes and Python.

Software Tools: Git, Window's CMD, Linux terminal and Window's Office.

PERSONAL PROJECTS

Small Store App: Designed a database for inventory/invoicing management and customer self-checkout (MySQL and Java).

P2P_kvstore: Co-developed a peer to peer system for storing data on a distributed key-value store.

Aphelion: A 2D adventure game based on space exploration, mining, crafting, resource management and combat (Java).

Email Scraper: An application that scrapes and parses emails for receipt information using email protocols (Python and Java).

Paintball Field: Designed and built a paintball field using FPS map design concepts and co-founded Tuuza Paintball Company LLP.

Crypto ML: Co-built a 57% accurate ML model for predicting crypto market movement using limit order trades.

WORK EXPERIENCE

NEW AGE MICRO Ltd, Mansfield, MA, U.S.A	
Test Engineer,	**2019 (6 months)**

- Programmed tests in Structured Text, conducted network testing and troubleshooting on Bedrock's Open Secure Automation (OSA) and Bedrock OSA Proxies. I used multimeters, oscilloscopes, resistors, circuit design and Ohm's Law daily for hardware and software debugging of Bedrock PLCs.
- Composed over 60 bug reports, identifying potential sources of the problem and afterwards confirmed they were fixed or not.

COMZAFRICA, Kigali, Rwanda	
Junior Developer,	**2017 (2 months)**

- Composed technical documentations introducing git terminology and how to navigate the company's servers.
- Composed documents detailing company style guides, organizational structure, routines, and useful resources for new members in the R&D Division.
- Presented a case-study on the company's ability and ease of introducing new team members to R&D.

DATA SYSTEMS Ltd, Kigali, Rwanda

Junior Developer,   **2017 (2 months)**

- Developed two business models and four activity diagrams for an Android meal-ordering application for a Radisson Blue branch and an online marketplace that directly connects farmers, buyers and delivery services in East Africa.

COMMUNITY SERVICE

- Volunteered at Breast Cancer Walk in Boston (U.S.A., 2016),
- Participated yearly in community-wide cleanups and group donations in (Rwanda, see *Umuganda*).
- Organized foreign student meetups to facilitate assimilation into university life in Boston, as a Global Student Ambassador.

INTERESTS

Philosophy/Economics, Business Risk Reduction and Decentralized Solutions, Trading, Books, Skateboarding, Video Games and Music.

LANGUAGES

English, French, Kinyarwanda and Kirundi (all speaking/reading fluent, best writing in English).