

# DAVID MBERINGABO

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## EDUCATION

**NORTHEASTERN UNIVERSITY**, Boston, MA, U.S.A.

Sept. 2016 – Aug. 2020

Khoury College of Computer Sciences,

*Graduated with a Bachelor 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/PostgreSQL, C++, C with Classes and Python, Node JS.

**Software Tools:** Bootstrap Studio, VS Code, 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 trade data.

## 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 and closed over 60 bug reports, and developed/documented replicable hardware/software tests identifying potential sources of the problem, and afterwards confirmed if 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 how to increase the company's 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 monthly in community-wide cleanups (Rwanda, see *Umuganda*), and helped plant over 1000 trees (London, Ontario).
- Organized foreign student meetups to facilitate assimilation into university life in Boston, as a Global Student Ambassador.

## INTERESTS

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

## LANGUAGES

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