

# DAVID MBERINGABO

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## EDUCATION

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

College of Computer and Information Science,

*Candidate for a bachelor's degree in Combined Computer Science & Business*

*Administration with a Concentration in Finance.*

**Sept. 2016 - Present**

Expected Graduation May 2020

**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.

**Activities:** Global Student Ambassador (GSA), Intramural Soccer, Husky Call Center.

## 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.

## PROJECTS

**Small Store App:** A database backed application for inventory/invoicing management and customer self-checkout (MySQL and Java).

**Texting App:** Developed a connected Messenger-style application (DrRacket).

**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.

**Amabara Festival:** Co-founded Amabara Festival LLP, to host a yearly festival and invest all profits in the art community in Rwanda.

## 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. Used Multimeters, Oscilloscopes, resistors 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 confirmed they were fixed.

**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

- Organized a group donation event and visit to an orphanage, with a charity called *For the Kids* in Rwanda.
- Volunteered at Breast Cancer Walk in Boston (U.S.A., 2016), participated yearly in community-wide cleanups in (Rwanda, see *Umuganda*) and helped plant over 1000 trees in Ontario (Canada, 2014).
- Organized foreign student meetups to facilitate assimilation into university life in Boston, as a Global Student Ambassador.

## INTERESTS

Philosophy/Economics, Cyber Risk Reduction and Decentralized Solutions, Scuba Diving, Books, Video Games and Music.

## LANGUAGES

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