# Nyarika Kemo Sonko

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## ABOUT ME

- Accustomed to being in a **competitive atmosphere** and **working hard** to achieve goals, from being a **student-athlete** on Simon Fraser University's men's basketball team(NCAA DII) with 25+ weekly hours, and having great **time management** skills
- Demonstrated **written and verbal communication skills,** as well as **critical thinking** from a background in social sciences and debating
- **Adaptable** to different situations and comfortable with people from different walks of life, from living in 5 countries and being exposed to multiple cultures

## PROGRAMMING LANGUAGES/ FRAMEWORKS

- Java
- HTML/CSS
- Android
- Python
- PHP
- Pytest
- Scrum
- JIRA/Git
- C/C++
- React.js/Node.js
- TypeScript/JavaScript
- SQLite/MySQL
- Figma
- JUnit5 Testing
- Agile development
- Selenium

## EXPERIENCE

**QA developer intern** **May 2022-Present**
*Later*

- Designed, developed, and executed test cases in an agile setting through the software development cycle
- Wrote end-to-end UI automated tests and REST tests
- Identified problem areas and reported bugs to the development team
- Performed manual testing and data validation

**Software Project Manager & Web developer**
SFU Robot Soccer Club **March 2022-Present**

- Designed and developed workflow protocols and practices for the software team, with written documentation
- Provided DevOps improvements to the GitLab repository to improve work efficiency and display of information
- Contributed to building the club a brand new website, as well as improving and maintaining it

**Product Manager Intern** **May-September 2021**
*Wenso Ltd*

- Performed market research and worked with a development team to help determine features specifications
- Attended weekly meetings with the client and took notes of suggestions and issues, before discussing them with the development team
- Performed quality inspection and testing, and made sure that requirements were met by deadlines

## FEATURED PROJECTS kemosonko.com

**Portfolio Website| Web(React, Next.js)** **2022**

- Built my own personal website to showcase my projects and skills

**Restaurant Website| Web(PHP, MySQL)** **2022**

- Developed and deployed a functional restaurant ordering website
- Added an admin interface connected to a MySQL database that allows C.R.U.D operations on food items and categories displayed, as well as order status
- Incorporates access control and password encryption to ensure security

**COVID-19 TRACKER | Web(React, JavaScript)** **2021**

- Developed and deployed a real-time COVID-19 tracker
- Retrieved data from the disease.sh API and sorted it based on settings
- Utilized Chart.js library to display Linegraphs and a map of the cases, recoveries, and deaths

**Zoom in | Web(React, JavaScript)** **2021**

- *Designed, developed, and deployed an Image sharing and downloading website similar to Pinterest, utilizing Sanity IO*
- *Implemented secure login through Google Auth*

**GitLab Analyzer | Web(React, SpringBoot & Java)** **2021**

- Designed, developed, and deployed a complex analytics tool that measures individual Gitlab project contributions, as part of a group of 7 members
- Applied the SCRUM agile framework, with 2 weekly standups and weekly sprint reviews
- Created a PostgreSQL database that stores users project information, to reduce loading time and API calls
- Implemented graphs and charts of all relevant user data
- Configured SSO sign-in through SFU's web server

**Parenting Pro| Android(Java)** **2020**

- Designed, developed, and launched an android parenting app that facilitates child management tasks for parents, as part of a group of 4 member

**Zombie Sweeper| Android(Java)** **2020**

- Designed, developed, and launched an android Mine Seeker, with a customized board size and number of zombies(mines)

## LANGUAGES

- English: Native Language
- French: Native Proficiency
- Arabic: Basic communication skills, competent reading and writing
- Spanish: Basic communication skills, competent reading and writing

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## LEADERSHIP POSITIONS

**Volunteering** 2011-Present
*Heeno International*
- Organized meals, medical provisions, fundraisers, and donations throughout 5 projects in Ivory Coast, Sierra Leone, Gambia, Mauritania, Guinee, Morocco, and Ghana, and helped 500+ people

**Hackathons** 2021-Present
*Simon Fraser University*
- Participated in "Fall Hacks" and "Storm Hacks", organized by university clubs

**Debating** 2016-2018
- Competed in 4 Model United Nations, throughout Dubai and Doha

## ATHLETICS

**Varsity Men's Basketball** 2019-Present
*Simon Fraser University*
**Varsity Men's Basketball** 2018-2019
Rochester Institute of Technology
**Varsity Men's Basketball Captain** 2016-2018
*Lycee Francais Georges Pompidou*

## EDUCATION

**Simon Fraser University** 2019-2023(Expected)
B.Sc. Computing Science
**Rochester Institute of Technology** 2018-2019
B.Sc. Computing Security
**Honors French Baccalaureate** 2018
Economics and Social Sciences

## AWARDS

***Mahatma Gandhi Humanitarian Award*** *2019*
*Simon Fraser University Institute for Humanities*
- *Awarded the Mahatma Gandhi Annual Student Peace award for my work with Heeno International by the Thakore Charitable Foundation and the SFU Institute for the Humanities*

***Most Valuable Player Award*** *2019*
*Rochester Institute of Technology*
- Awarded the most valuable player on the basketball team, as a freshman

## CERTIFICATIONS

**EA software engineering virtual experience program**
***Jan 2022***
- *Reviewed open-source implementations of PacMan and created a new game called Vax-man by incorporating a different set of mechanics, in both Python and C++*
- *Learned about game engine technologies such as FrostBite and Unreal Technologies*
- *Learned about common cyber security vulnerabilities such as stack buffer overflow and the Heartbleed bug, as well as how to mitigate them*