






# 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

- HTML/CSS
  - React-Native
  - Scrum
  - JIRA/Git
  - Selenium/Nightwatch.js
  - Software Development Life cycle
- React.js/Node.js
  - TypeScript/JavaScript
  - SQLite/MySQL
  - Figma
  - JUnit5 Testing
  - Agile development

## 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

## EDUCATION

- Simon Fraser University

2019-2024(Expected)
- B.Sc. Computing Science
- Rochester Institute of Technology

2018-2019
- B.Sc. Computing Security
- Honors French Baccalaureate

2018
- Economics and Social Sciences

## LEADERSHIP POSITIONS

- Volunteering**

2011-Present
- Heeno International
- Organized meals, medical provisions, fundraisers, and donations throughout 5 projects in Ivory Coast, Sierra Leone, Gambia, Mauritania, Guinea, 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

## EXPERIENCE

- Software Engineering Intern**

September 2022-Present
- Apollo Insurance
- Used javascript to generate reports collecting data from an AWS database
  - Carried out continuous identification, measurement, and improvement of processes.
  - Completed maintenance on existing backend and frontend programs.
- Community Advisor**

September 2022-Present
- Simon Fraser University
- Fostered the development of relationships among 33+ residents
  - Planned and implemented programs to assist students in transitioning to campus and building new relationships
  - Counseled and advised students on academic and personal questions and concerns
- QA developer intern**

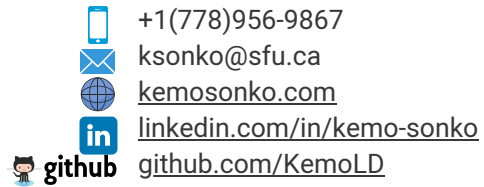
May-August 2022
- Later
- Designed, developed, and executed test cases in an agile setting through the software development cycle
  - Wrote end-to-end UI automated tests and REST tests
  - Identified problem areas and reported bugs to the development team
  - Performed manual testing and data validation
- Software Project Manager & Web developer**

March-August 2022
- SFU Robot Soccer Club
- 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
- ## 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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## 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	

## 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

## FEATURED PROJECTS

[kemosonko.com](https://kemosonko.com)

- |   |      |
|---|------|
| Portfolio Website   Web(React, Next.js)   | 2022 |
| <ul style="list-style-type: none"><li>Built my own personal website to showcase my projects and skills</li></ul>  |      |
| Restaurant Website   Web(PHP, MySQL)  | 2022 |
| <ul style="list-style-type: none"><li>Developed and deployed a functional restaurant ordering website</li><li>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</li><li>Incorporates access control and password encryption to ensure security</li></ul>  |      |
| COVID-19 TRACKER   Web(React, JavaScript)   | 2021 |
| <ul style="list-style-type: none"><li>Developed and deployed a real-time COVID-19 tracker</li><li>Retrieved data from the disease.sh API and sorted it based on settings</li><li>Utilized Chart.js library to display Linegraphs and a map of the cases, recoveries, and deaths</li></ul>   |      |
| Zoom in   Web(React, JavaScript)  | 2021 |
| <ul style="list-style-type: none"><li>Designed, developed, and deployed an Image sharing and downloading website similar to Pinterest, utilizing Sanity IO</li><li>Implemented secure login through Google Auth</li></ul>   |      |
| GitLab Analyzer   Web(React, SpringBoot & Java)   | 2021 |
| <ul style="list-style-type: none"><li>Designed, developed, and deployed a complex analytics tool that measures individual Gitlab project contributions, as part of a group of 7 members</li><li>Applied the SCRUM agile framework, with 2 weekly standups and weekly sprint reviews</li><li>Created a PostgreSQL database that stores users project information, to reduce loading time and API calls</li><li>Implemented graphs and charts of all relevant user data</li><li>Configured SSO sign-in through SFU's web server</li></ul> |      |