# DORIS CAROLE KENFACK JIOTSA

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Portfolio: https://doriskj.github.io/

## SUMMARY

Experience collecting and processing complex and large data, as well as developing tools and techniques to analyse say data and interpret results. Over 4 years teaching and training.

## PROFESSIONAL AND DATA ANALYSIS EXPERIENCE

**Private teacher / Tutor**                                                                    may 2022 - present
SOSteacher ● Canada

- Tutoring high school and college students in Mathematics and Physics

- Providing summer classes in Mathematics and Physics for high school students

**Research Assistant**                                                                    apr. 2016 - oct. 2020
Stellenbosch University / iThemba LABS ● Cape Town South Africa

- Write programs in C++ and Python for the analysis of over 2T of data

- Maintain the data acquisition and data storage system at iThemba LABS

- Conduct training workshops on data analysis tools used in subatomic physics

- Use MS Excel and C++ to perform linear and Gaussian regression analysis

**Teaching and Lab Assistant**                                                                    jan. 2018 - may 2020
Stellenbosch University / iThemba LABS ● Cape Town South Africa

- Supervise tutorials and laboratory sessions

- Instructed first-year masters students on radiation detector energy calibration and data analysis techniques at the Southern African Institute for Nuclear Technology and Sciences (SAINTS) School workshop

**High school and college teacher**                                                                    oct. 2012 - jun 2016
Ministry of Public Service and Administrative Reform ● Bamenda, Cameroun

- Supervise teacher trainees

- Organize, chair and attend staff meetings and seminars

- Provide Physics and Electronics courses to high school students

- Designed and built a system based on microprocessors and microcontrollers programmed in Assembler and Basic languages

- Provide introductory courses in algorithmics and microcontroller programming

## SKILLS

- Programming languages and software: Python, C++, Jupyter notebook, SQL, R, PyCharm, WordPress

- Introduce young girls to website construction and the use of Python, HTML and WordPress programming languages

- Assist in the programming and marketing of events such as conferences and seminars on the topic of science and data analysis

- Managing a project team

- Excellent level of spoken and written French and English

## TRAINING

**Ph.D. in Nuclear Physics**                                                              apr. 2016 - dec. 2020
Stellenbosch University / iThemba LABS ● Cape Town South Africa

**MSc. in Physics and Electronics**                                                  oct. 2010 - may 2012
University of Dschang ● Dschang, Cameroon

**BSc in Physics**                                                                             oct. 2006 - sep. 2009
University of Dschang ● Dschang, Cameroon

## VOLUNTEERING

**Volunteer**                                                                                   feb. 2022 - Present
Toronto Womxn in Data Science ● Toronto, Ontario

**Volunteer**                                                                                   jul. 2021 - Present
hEr VOLUTION ● Ottawa, Ontario