

Samuel Ofosu Mensah

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📄 <https://github.com/sammens1991>



"There is only one good, knowledge and a single evil, ignorance." (Socrates)

Education

- 2019–present **PhD in Mathematical Sciences**, Stellenbosch University (African Institute for Mathematical Science), Cape Town.
- 2017–2018 **Research Master's in Mathematical Sciences**, Stellenbosch University (African Institute for Mathematical Science), Cape Town, Completed with Cum Laude.
- 2016–2017 **Structured Master's in Mathematical Sciences**, University of Cape Town (African Institute for Mathematical Science), Cape Town, Completed with Cum Laude.
- 2010–2014 **Bachelor's Degree in Statistics**, University for Development Studies, Navrongo, GPA: 4.43, Completed with Second Class Upper Division.

Experience

- 2014–2015 **Teacher**, Collins Senior High School, Asante-Akim Agogo.
 - Taught Mathematics and was responsible for creating assessments for the students.
 - Marked and graded assignments.
 - Invigilated exams.
- 2013 **EMIS Officer**, Ghana Education Service, Foase.
 - Developed questionnaires.
 - Data entry, Sorting data, Analysing data

Volunteering

- 2018 **Mathematics Teacher**, Joe Slovo Engineering High School, Cape Town.
Teaching Mathematics
- 2017 **Facilitator**, African Code Week, Muizenberg.
Volunteered to teach how to code.
- 2017 **Mathematics Teacher**, Muizenberg High School, Muizenberg.
Taught Mathematics

Projects

- 2017–2018 **Transcriptomic Profile Based Cancer Disease Prediction and Patient Survival Time Differentiation**, Stellenbosch University, South Africa.
- 2017 **Investigating Relationship Between Expressed Cancer Related Genes and Patients Survival**, African Institute for Mathematical Sciences, South Africa.
- 2014 **Modelling Rainfall using Resilient Backpropagation Algorithm**, University for Development Studies, Navrongo.

Workshops and Seminar

- 2019 **Practical Introduction to Deep Learning Workshop**, *Tutor*, AIMS, South Africa.
Tutor at the Practical Introduction to Deep Learning Workshop
- 2019 **IndabaX Gambia**, *Tutor*, School of ITC, University of The Gambia, Kanifing.
I taught Machine Learning to participants of the Deep Learning IndabaX in The Gambia
- 2018 **Deep Learning Indaba**, *Attendee*, Stellenbosch, South Africa.
- 2018 **Deep Learning IndabaX Western Cape**, *Co-organizer*, Cape Town, South Africa.
I co-organised Deep Learning IndabaX workshop at the University of Cape Town
- 2018 **Data Science Workshop**, *African Institute for Mathematical Science*, South Africa.
- 2017 **SETI/SKA Workshop**, *African Institute for Mathematical Science*, South Africa.

Awards

- 2019–2021 **DAAD-Scholarship under the PhD In-Country/In-Region Scholarship programme AIMS South Africa**, *Stellenbosch University*, Cape Town.
- 2017 **AIMS Research Master's in Mathematical Sciences Full Scholarship**, *South Africa*.
- 2016 **AIMS Structured Master's in Mathematical Sciences Full Scholarship**, *South Africa*.

Computer skills

Programming:	Python, SAGE	Data Analyst:	R, gretl, Minitab, SPSS
Tech Writer:	L ^A T _E X, Microsoft Word	OS:	Unix/Linux, Windows
AI Software:	TensorFlow, Keras, Open-CV	version control:	Github

Research Interests

- Machine Learning
- Deep Learning
- Statistics

Interests/Hobbies

- Learning history
- Studying technology
- Soccer

References

- Prof Jeff W. Sanders
African Institute for Mathematical Sciences
(AIMS) South Africa
Academic Director, AIMS
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- Prof Bubacarr Bah
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(AIMS) South Africa
German Research Chair of Mathematics with
specialization in Data Science
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- Dr. Simukai W. Utete
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