Samuel Ofosu Mensah

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"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, R	AI Software:	,TensorFlow, Keras, PyTorch
Tech Writer:	LaTeX, HTML, Markdown	OS:	Unix/Linux, Windows

Research Interests

- Deep Learning
- Visual Attention Mechanism
- Transfer Learning

Interests/Hobbies

- Learning history
- Studying technology
- Soccer