

# Mathematical Autobiography

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## 1 Background

I received both Bachelor of Science degree in Mathematics and Masters of Science degree in Pure Mathematics from Kwame Nkrumah University of Science and Technology, Ghana and while acquiring these, I concentrated primarily on Analysis and Topology, and applications of Topology to other fields of endeavor in particular. I wrote a thesis on Topological Social Choice Model, for my masters degree and have also researched and published papers in Applications of Operator Theory to Nonlinear integral equations. Currently, I am a PhD student at Ohio University, Athens preparing for my Comprehensive examinations in Topology and either Analysis or Algebra.

## 2 Current Interests and Future Goals

My interest lies in applications of Topology, currently I am focused on Topological dynamical systems. I am currently studying the basis of these courses so as to place myself in better position to get a researchable topic in this area for my PhD thesis. I am always dreaming of earning my PhD in Mathematics and this is my goal for the five years ahead of me and also learn how to do independent research in topological applications.

## 3 Reasons for Joining the DSoTA Project

I am participating in this project because it aligns well with my interest. It will give me an opportunity to see how Dynamical Systems link up with Tensor Analysis, this will pave way for me to see firsthand applications of a concept in mathematics been applied to dynamical systems. I am participating in this project to help me learn how a project in Mathematics is executed and I also want to know and learn the software that is used in the numerical analysis of data particularly in applied mathematics.

## 4 Learning Styles

I took the online test at <http://www.vark-learn.com/english/page.asp?p=questionnaire> and these were my scores:

- Visual: 5
- Aural: 3
- Read/Write: 16
- Kinesthetic: 4

I agree with the results on the reading and writing aspect but I think I also learn more when I attend a lecture or get firsthand information from an expert in an Area of research.

## **5 Other Interesting Things**

I am a big fan of football. I have supported Liverpool Football Club since 1999 and also the Bobcats. I like attending conferences and workshops. I have so far traveled to three continents, am yet to travel to Asia, South America and Australia to complete my tour of the world.