Stephen Nkya Naboth

⚲ https://stephennaboth.github.io/ ✉ stephennaboth@gmail.com **in** https://bit.ly/3Cvy5BE

CAREER OBJECTIVE

- To a contribution in the development of Mathematics and Computing research.

EDUCATION

Rice, University   **Houston, TX,USA**
PhD. Computational Applied Mathematics   *Aug 2023 – May 2028*

University of Laquila and University of Hamburg (MATHMODS)   **L'aquila, Italy and Hamburg, Germany**
Msc. Mathematical Modelling in Engineering - Agent Based   *Sep 2020 – Sep 2022*

University of Nairobi   **Nairobi, Kenya**
BSc. Mathematics (Hons. First Class)   *Jan 2014 – Sep 2018*

EXPERIENCE

Medipost Pharmacy   **Nairobi, Kenya**
Data Analyst   *Nov 2018 – Oct 2019*
P.O. Box 726688006

- Tracking and analyze the rate of movement of drugs and finance

Kenya National Bureau of Statistics   **Nairobi, Kenya**
Census Enumerator   *Aug 2018 – Aug 2018*
P.O. Box 30266–00100

- Collect and Analyze census data on behalf of KNBS

Independent Electoral and Boundaries Commission Nairobi   **Nairobi, Kenya**
Clerical Officer - General election   *Aug 2017 – Aug 2017*
P.O. Box 45371 - 00100

- Validation of voters and Conducting the general duties in the general elections

TEACHING EXPERIENCE and MEMBERSHIP

I taught mathematics at several high schools during my undergraduate semester breaks. In addition, after graduating, I assisted my lecturer, Dr. Jared, with invigilating, grading exams, and uploading results in the Mathematics department.

MATHEMATICS ASSOCIATION OF NAIROBI UNIVERSITY   **M.A.N.U**
Member   *Feb 2016 – Sep 2018*

Certification

Quantum Computing   **ONLINE(USA)**
Certification(Ongoing)   *September 2022 – April 2023*
The Coding School

Applied Data science Lab   **ONLINE(USA)**
Certification   *Feb 2022 – Nov 2022*
WorldQuant University

NMA Deep Learning(pyTorch)   **ONLINE(USA)**
Certification   *July 2022 – July 2022*
Neuromatch Academy

Machine Learning   **ONLINE(USA)**
Certification   *July 2021 – Nov 2021*
Coursera - Andrew Yang

TECHNICAL & ICT SKILLS

○ **Python** & **MATLAB, Django, JavaScript, Microsoft Office, Data Visualization**

WORKSHOPS and SEMINARS

Networking in Applied Network Theory   **Organizing committee(University of Warsaw)**
Scientific event   *Oct 2022 – Feb 2023*

✇ https://nant.mimuw.edu.pl/

Graphs and Discrete Dirichlet Spaces   **European Consortium "Internet School on Evolution Equations"**
26th Internet Seminar   *Oct 2022 – July 2023*

✇ https://www.mat.tuhh.de/veranstaltungen/isem26/

Prof. Wojciech Chachólski   **Department of Mathematics**
Topic: *Topological Data Analysis*   *2018-Nov 11 to 14*
KTH, Sweden

○ **Venue** University of Nairobi

Prof. Augustin Banyaga   **Department of Mathematics**
Topic: *Spectral Geometry applications*   *2018*
Pennsylvania, USA

○ **Venue** University of Nairobi

PROJECTS and RESEARCH

Analyzing sequential cell division data using multi-variable Markov chain dynamics   *2020*
Modelling Camp - Hamburg

Numerical approximations of PDEs using finite volume schemes   *2021*
mathmods(Conservation laws)

The link is `http://bit.ly/3O7JbB6`

Lemon automatic sorting system using YOLOV5 Deep Learning model   *2022*
NMA Deep Learning

Automatic defect detection via thermal image processing and deep learning tools   *2022*
Master's THESIS

The link is `https://bit.ly/3yg2nFU`

VOLUNTEERING and INTERNSHIP

CSVABRUZZO   **L'Aquila, Italy**
Volunteer   *Sep 2022 – Present*

✇ https://www.csvabruzzo.it

Mathare Youth Group   **Nairobi, Kenya**
Volunteer   *Nov 2019 – Jan 2020*

Public Service Commission   **Nairobi, Kenya**
Data Analyst and accounts - intern   *Oct 2019 – Sep 2020*

✇ https://www.publicservice.go.ke