Chanda Simfukwe
Data Scientist

Data Scientist with 4+ years of experience pursuing a Ph.D. in Neuroscience at Chung-Ang University, South Korea. I focus on pre-processing and analysing EEG data and developing AI models to help early diagnose of Alzheimer's disease and other types of dementia for early treatment.

CONTACT DETAILS

📞 +82-010-4759-2026

✉️ chandaelizabeth94@gmail.com

🏠 South Korea, Seoul

🌐 www.chandasimfukwe.com

in Chanda Simfukwe

GENERAL SKILLS

Data Analysis
■ ■ ■ ■ ■

Python
■ ■ ■ ■ ■

Leadership
■ ■ ■ ■ ■

LANGUAGES

ENGLISH ■ ■ ■ ■ ■

Turkish ■ ■ ■ ■ □

Bemba ■ ■ ■ ■ □

HOBBIES

📷 🏀 🎸

REFEREE

M.D, Ph.D. Young Chul Youn
Chung-Ang University Hospital
✉️ neudoc@gmail.com

EDUCATION

Ph.D. Neuroscience   **2021-present**
Chung-Ang University, South Korea, Seoul

Thesis Titte: qEEG as Biomarker in Alzheimer's Disease
Clubs & Societies: ADAM, Alzheimer's Research

M.Sc. Bionano Technology   **2018-2021**
Gachon University, South Korea, Seongnam-si

Thesis Title: Developing Insilco Tools for Dementia
Clubs & Societies: ADAM, Alzheimer's Research

B.A. Electric and Electronics Engineering   **2014-2018**
Inonu University, Turkey, Malatya

Thesis Title: Semiconductors
Clubs & Societies: Robotics Society, Business Club

EXPERIENCE

Data Scientist   **2021-present**
Chung-Ang University., South Korea, Seoul

Pre-processing and analysing electropherogram signals for Alzheimer's subjects with EEGlab, brainstorm, and MATLAB scripts.
Developing algorithms using Natural Language Pre-processing and Deep Learning model for Alzheimer's disease prediction.

Data Scientist   **2018-2021**
Gachon University., South Korea, Seongnam-si

Built predictive models and software's using various machine learning tools to predict the possibility of dementia.

RECENT PUBLICATIONS

qEEG as Biomarker for Alzheimer's Disease: Investigating Relative PSD Difference and Coherence Analysis
Original Research; 19 November 2023; Neuropsychiatric Disease and Treatment.

CNN for a Regression Machine Learning Algorithm for Predicting Cognitive Impairment Using qEEG
Original Research; 05 April 2023; Neuropsychiatric Disease and Treatment.