

Cyrille Mesue NJUME

Enthusiastic Bioengineer eager to contribute to team success through hard work. Attentive to detail, employs excellent critical thinking and aims at utilizing machine learning, Medical Imaging and Bioengineering technology to make a positive impact in global healthcare. Enjoys gathering, organizing and analyzing information, and contributing to project strategies.

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EXPERIENCE

Artificial Intelligence in Healthcare Teknofest Competition, Istanbul — *Finalist Team*

MARCH 2021 - PRESENT

- Built a deep learning model for predicting and semantically segmenting both ischemic and obstructive stroke using brain CT images without contrast material.

Yildiz Technical University Lipid and Biocomposite Lab, Istanbul — *Biomaterials Trainee.*

JANUARY 2020 - 1 MONTH / JUNE 2020 - AUGUST 2020

- Gained Research and Development Experience with Biomaterials
- Gained experience handling Laboratory devices such as Centrifuge, PH meter, nano pipettes, microscope, FTIR, oven, etc
- Produced Gelatin, Chitosan, PVA based bioactive glass nanocomposites for tissue regeneration research.
- Produced simulated body fluid, artificial saliva and stomach juice for in vitro testing of bioactive biomaterials.

EDUCATION

Yildiz Technical University, İstanbul Turkey — *Bachelors Degree in Bioengineering*

SEPTEMBER 2018- PRESENT

- Studies engineering principles for biomedical applications. See details on completed courses: <https://cyrillemesue.github.io/Courses/>

University of Yaounde I, Yaounde Cameroon — *Bachelors Degree in Biosciences*

SEPTEMBER 2017 - JUNE 2018

- Studied Bioscience subjects such as Biology, Chemistry, Physics and Maths for a period of one year.

SKILLS

- Good Communication
- Critical Thinking
- Quick Learner and Curious Learner
- Machine Learning and Deep Learning
- Image and Signal Processing
- Data Analysis
- Tissue Engineering Laboratory

SOFTWARE

- MS Excel, Word and Powerpoint
- MATLAB
- R Studio
- Octave
- Jupyter Notebook
- Python Frameworks, Tensorflow, Keras, sklearn, FastAI.

INTEREST

- Cancer Research
- Medical Imaging
- Machine Learning and Deep Learning
- Systems biology
- Digital pathology
- Music(Hobby)

AWARDS

- Regional Best Student Performance Award in 2017

GBHS Essos, Yaounde Cameroon — *High School Diploma*

SEPTEMBER 2015 - JULY 2017

- Studied pure science subjects and earned grades: Biology A, Physics A, Chemistry A, Mathematics A, Further Mathematics A.

PROJECTS

Deep Learning Model — Teknofest Artificial Intelligence in Healthcare Competition.

MARCH 2021 - PRESENT

- Qualified to the finals after passing through two intense report and qualification phases.
- Built a deep learning model for predicting and semantically segmenting both ischemic and obstructive stroke using brain CT images without contrast material.

National Advanced Level Exams. I got awarded with 178 000 Franc CFA

- **Winner of the 2017 Medical Olympia among High school students Nationwide.** I got a certificate of Excellence.

LANGUAGES

- English - Full Professional Proficiency
- French - Professional Working Proficiency
- Turkish - Professional Working Proficiency
- German - Limited Working Proficiency
- Akosse - Native