Amel LAIDI

PhD Student
Biomedical Instrumentation

PROFILE

Experienced biomedical Engineer with about 7 years of experience as an MRI/CT technician.

Final year PhD, working on Deep Learning for cardiac structure segmentation and analysis, with several publications and ongoing projects.

Excellent skills of problem resolving, team management, and driving overall operational improvements. Fast learner and strong team player.

CONTACT

📱 +213 662 81 75 54
  +213 794 25 67 35

✉ alaa.amel@gmail.com
  a.laidi@univ-boumerdes.dz

in linkedin.com/in/amel-laidi-

R^G researchgate.net/profile/Amel-Laidi-2

DIGITAL SKILLS

Matlab
Python
Machine/deep learning
Image processing and analysis
MS Office

LANGUAGES

Arabic: Native
English: Excellent
French: Advanced
Turkish : Beginner

PROFESSIONAL EXPERIENCES

MRI / CT Technician, Medical Imaging Center "IHSSEN"
 [Apr 2016 – Present day]

MRI / CT Consultant, Canon Medical
[August 2022- Present day]

Temporary Professor Mhamed Bougara University Boumerdes
"Biomaterial technologies for prostheses"
[Oct 2020 - Mars 2020]

Temporary Professor Mhamed Bougara University Boumerdes
"Entrepreneurship and Project Management "
[January 2023 - June 2023]

Temporary Professor Abd Hamid Ben Badis University Mostaganem
"Introduction to Computer Science "
[January 2023 - June 2023]

ACADEMIC TRAINING

PhD student, Biomedical Instrumentation
[Since Jan 2019]

Master's degree, Biomedical Engineering: Medical Imaging
AbouBekr Belkaid University Tlemcen
[Sep 2013 – Jun 2015]

Bachelor's degree, Biomedical Engineering: Signals and Images
AbouBekr Belkaid University Tlemcen
[Sep 2010 – Jun 2013]

Global Understanding, Virtual Classroom
AbouBekr Belkaid University Tlemcen & East Carolina University
[Sep 2013- Dec 2013]

Deep Learning Specialization by Andrew Ng
Coursera
[Jan 2020- Sep 2020]

"AI in Medical Imaging"
RISE-AFRICAI Winter School
[Nov 2022]

PUBLICATIONS

Toward an automatic detection of cardiac structures in short and long axis views
January 2023 - Biomedical Signal Processing and Control

Deep Learning Models for Coronary Atherosclerosis Detection in Coronary CT Angiography
December 2022 - Current Medical Imaging Reviews

GAN Data Augmentation for Improved Automated Atherosclerosis Screening from Coronary CT Angiography
May 2022 - ICST Transactions on Scalable Information Systems

EXTRA CURRICULAR ACTIVITY

Lead of DSN Mostaganem Algeria
Data Scientists Network , an organization with a vision to build a world-class Artificial Intelligence (AI) knowledge, research and innovation ecosystem. committed to raising one million AI talents in 10 years.

Active member in "SisonkeBiotik"
SisonkeBiotik is an open and inclusive community of researchers, practitioners and enthusiasts at the intersection of Machine Learning and Healthcare working together to build capacity and drive forward grassroots research initiatives in Africa.

Volunteering mentor at the "Female Founders Mentorship Program"
She Starts Africa – A community by women for women.

A social enterprise that aims to empower women and increase the number of women actively engaged in the economy.